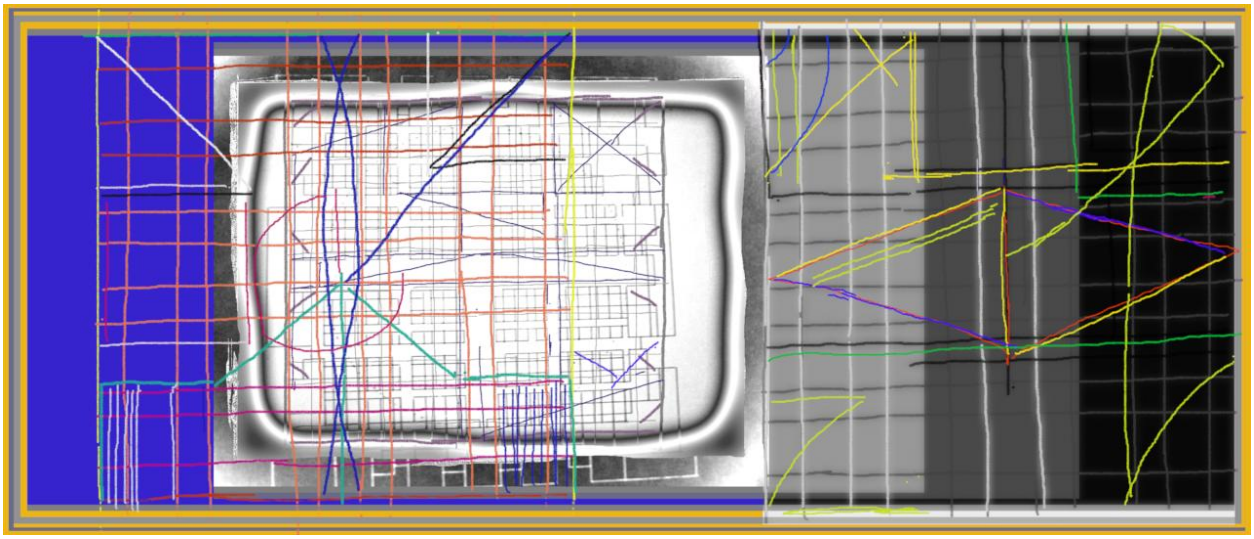
Categorical Conceptual Art Non Museum



Edwin S VanGorder

Ghost on Arrival String Theory Critique on it's SuperAlgebras Cobordisms Meta Material and Moment

3 Hamiltonians On:

the considerable variety includes confinement locally via gapped Hamiltonian and any attractor yet this gapping will at a level reach into the continuum and may also be subject to deformation, projection and tunnelling because the gap is a form of Perelman surgery over possibilities, then, there is atomic collapse mode directly into continuum (color space past electromagnetic) in addition to the previous critical states while quantum dots and Graphene give the tunable mode there is in the plasma regime rather than tuning or damping instead Debi like screening there

fore altogether, chaos as spontaneous order in the gapped Hamilton, tuning to quantum dots screening to plasma and the critical collapse to continuum of collapsed atoms etc… this is because just as atoms do not have hard boundaries so then is the time cone adjusted and the Category Theory dynamics is preferable to stating an emerging geometry is hard in fact and ontologically comforting…

String Theory Critique on it's SuperAlgebras and Cobordisms Via Meta Material

so … to clarify… are there implications relating string supersymmetry particle search as perhaps better staged in a quasiparticle or wavicle mode in Attractor like theory where an absence of hard symmetries might be more like the mobius diversions over Wilson

loop transport thus explaining the absence of particle matches but retaining the principle in the combinatoric approach?

Per Yang- Mills-Chern Simons matrix theory:

Is there a relation of Pontryagin Hamiltonian Optimizat0in to Lyapunov exponents ie the Chern- Simons to Yang Mills modes ... With Chern Simons the Lyapunov exponents ng Attractors while the gap space of Yang Mills essentially orders completion from the introduced perturbation and Taylor series as like Perelman surgery over which the existence problem back engineer that solution to a question?

One is blessed with three Hamiltonians, the classical spin and system energy and then with Pontryagin and Yang-Mills analysis of projecting a “gapped Hamiltonian which

presents the “existence problem”..? The original mechanical Hamiltonian via spin and system energy in a way can be viewed through the Heisenberg uncertainty principle and then per the solution by the third Hamiltonian thus review that question to the gapped Hamiltonian as a kind of entangled state of the Pontryagin and Lyapunov modes?

The third Hamiltonian : as the Pontryagin which states confinement terms identifying towards a “gapped Hamiltonian relates to the Classical pair of spin and system energy at the point they reflect Heisenberg Uncertainty and in Chern-Simons that Attractor consequence which in the Pontragin receives a Perelman like surgery (thus the open Millennial question per gap problem... we might say the

Pontragin of Yangs Mills is entangled with the Lyapunov exponentials of the Cherns-Simons ... an entanglement of endofuctors as it were where the Yang Mills is a damped Holonomy/Monodramy and the effects of this in experimental data are experienced in color flash lock per extreme conditions where color charge may dominate (and in so doing imply early cosmogenesis making of this a kind of gas as structure of Dark Energy... as well As Casimir effects through Curved Hyper plates on subatomic regime also creating the plasmoid conditions that again occur in a different context namely the Graphene Condensed Materials Regime....Between these then one may separate the regimes of perception which on the one hand find confinement terms substantiating a

comforting Geometry of Wholeness and on the other, where there is that damping and non-use of the surgery there are the tunnelling, Instanton, reviews on higher dimensional implications over unavailable combinatoric...

Intriguing Multiplex Symmetries':

Ambigrammatic to Recursive Multiplex Symmetries Holographic and Projective from John BullFinch and DiMorgan to Anionic in Dual Clocks, Rotation Gaps, Immersive and abba, Hermitian to embedded abab and gain loss Exceptional points and Saddleback , log ,K-space, gapped Hermitian,exponential,

and bilateral...etc... surreal and hyper-real mathematics of...with orbital angular momentum the space of possibilities becomes post-haste between recursive and iterative to Hermitian transpose and ambigrammatic in such a vault with multi plex symmetries to follow in a K-Space of up to the moment transforms of and in the morphology

Freedom of movement and Higher dimensions : addressing the relation of freedom of movement as harmonic overtones and this relating higher dimensions which have be addressed more in terms of endofunctors and morphisms in potentials, thus category theory helps open a window on thinking about the difference, which like

chaos versus randomness has a kind Heisenberg effect in the contemplation due to our immersion while in submersion...

Jordan like journaling...

I suppose you could say the diagonal still exists, but separated from the Clifford continuity it now In Jordan Space as it were marks a potential gnomon like gravity well in relation to a separation between randomness and chaos

Heraclitus liked to joust with Pythagoras and towards pi as concept rejoins every point on circle is a center which, if we work the principle that each generation sees Heraclitus a new way seems to mean for us that relating randomness to chaos where the regime of chaos meets finitude and not so

the other then the proposition that a monkey will over time randomly reproduce Shakespeare falsely relates the regime of chaos to that of randomness, they are cobordism's and have principles of connection in that regard we find in Category theory, but the regime of chaos does not work the amplitude of infinite extension by definition. Anyway that is the intuition which tells me that premise and the companion Boltzmann Brain where nature of human consciousness is recognized as a highly singular construct with a limited field of stating phenomenal vulnerability to analysis is not a consciousness that is assimilated over infinite possibilities, and therefore that finite aspect paradoxically redeems a greater rather than lesser assimilation of higher dimensions meaning to the degree they may

indeed be categorically realized, which is different than a clarion call to avoid the dimension of imagination the cobordisms of Quantum world demonstrate a need for recalibrating the concept of knowledge and in so doing also physics, that field then being a consequence and directive entangled in the chaos/randomness equation ...

Comparing chaos in the su(2) regime as attractors limited to a gapped Hamiltonian g in Yang Mills Chern Simons theory and say Su(3) in graphene corellary do the attractor potentials meet strict confinement or are they open to subalgrebra deformation or projection of attractors upon attractors exponentials or tunelling etc...

the considerable variety includes confinement locally via gapped Hamiltonian

and any attractor yet this gapping will at a level reach into the continuum and may also be subject to deformation, projection and tunelling because the gap is a form of Perelman surgery over possibilities, then, there is atomic collapse mode directly into continuum (color space past electromagnetic) in addition to the previous critical states while quantum dots and Graphene give the tunable mode there is in the plasma regime rather than tuning or damping instead Debi like screening there fore altogether, chaos as spontaneous order in the gapped hamilton, tuning to quantum dots screening to plasma and the critical collapse to continuum of collapsed atoms etc... this is because just as atoms do not have hard boundaries so then is the time cone adjusted and the Category Theory

dynamics is preferable to stating an emerging geometry is hard in fact and ontologically

string theory relative the time cone as comparing one vacua to another... would show that symmetry of infinite past to infinite future is problematic, rather the past is given and the future thus infinite, things exist because they have no reason not to... in lumpy distribution to begin with because no reason to be ordered... those energies forthwith quantum correlations through the lumpiness... considering reasonable or intuitive objections to what I just said: my question is if string theory dimensions are simply normalized to ratios from well to mountain peak, and if one considers string theory as clarifying other mathematics,

granting it some identity as category theory possibly in that these cobordisms might mark fields of mathematics as super algebras of string then in simulations can or has string theory in normalized status as in AdSCFT show its predictive power by using it to propose new materials though string considerations extended to materials as invented?

From the Large Glass to Graphene Ultra Violet to Infra Red: Scope and Scape of the Iridescent H of Hamiltonians via P.I.E. to Sanskrit and re-Joyce of AI

Bachelors of Arts and Les Amis Hamiltonian: the Greek suppression or expression of the letter H in their speech structured content in a way we can compare to the number i and

mathematic contrast between rotation and folding… thus the divergence between “ami” and Hamilton and this was a consequence of Sanskrit as an artificial language engineered for higher expression… Duchamps Glass constructed at a time taking in the realization of proto Ind European Languages and their relation to the 300 or so Sanskrit drawing verbs umbrella and also Einstein and then again Picasso’s cubism as a kind of art Sanskrit to become later analogous to “Art and Language” Thus for example the Pistons in the Glass vocabulary index must represent “Generators” ie in mathematics we are familiar with mathematical generators within a system but more generally it is the large number of fields generating mathematics which from the spectrum of poetry to rhetoric to physics and art exemplified by Leonardo in

particular as a cross roads antecedent Queen Catherines Voltari an Court, mathematics itself informed by sociology, physics, game theory, art, broad group of sciences ,kinetics, economics, Ic Occupational therapy, computer science, etc. has those outside generators and so “Category Theory” is the recent adaptation of the field in that regard to itself. (Joyces Finnegans Wake in particular took up the project of punning in 8 languages simultaneously based on the Sanskrit roots)… and deeper roots in reflecting Proto Indo European language roots echoed… in deference to that prodigious example and the likelihood that AI has graphed this as its mysterious process lets take a quick look at Sanskrit verbs and how they shape our sensitivity to language as “resonance”…

Apaka Sin as- drawing along, as in Apocalypse or apocryphal

Vahin, drawing well, as in viable

Hazekarsin -wick drawing, as in Hazel or haze

Apuranana: drawing a bow as in approach or appearance , aperture

Kans: act of drawing as in canvas

Zakat : drawing apart as in sack

Prakansin:: drawing forth as in practice

Prakhansara ; drawing away as in projectile

Samarahanha ; to draw tight as in sum or summation

Anayunnana ; not drawing in as in annihilate

Pratyahanana ; drawing back as in proto-....

Note : Sanskrit traders from Africa made it to the Pacific Islands thus you notice similarity to Hawaiian sounds...

Sagkansa; drawing near as in sagacious...

Samhrtya : drawing body together as in martyr or same or similar...

Sampraanana: Drawing asunder as in simper

Utkasana ; drawing through as in ‘utter” or attack...

Puravanha; drawing infront as in purity, peril,peer, approach , perfect,,

Anaranleckha ; drawing account as in analysis, warrant

Ksatravahahara; drawing a figure ; ahara means breath, as in sahara, so … breathing sight…or sought breath…

Rekhicitra, diagram as in reckon

Anumara ; infer, as in enumerate

Punana; exercise as in punish, punt ,open (word for yogi)

Panamana;conclusions from experience as panorama

Pratyaharin ; drawing hither and thither, as partition

Samanaka ;drawing together as same

Savayunha ; lefthanded drawing as in savant

Lekha ; drawing, as in lexicon or likeness

Anayuranha, drawing in net as in analysis

Aharanavaha ; drawing carriage as in caravan

Karsana; drawing to and fro as in cursive

Tagalparisin ; drawing plow as in toggle

Paramaria ; bending/drawing as in parameter

Anumatra inference as in enumerate

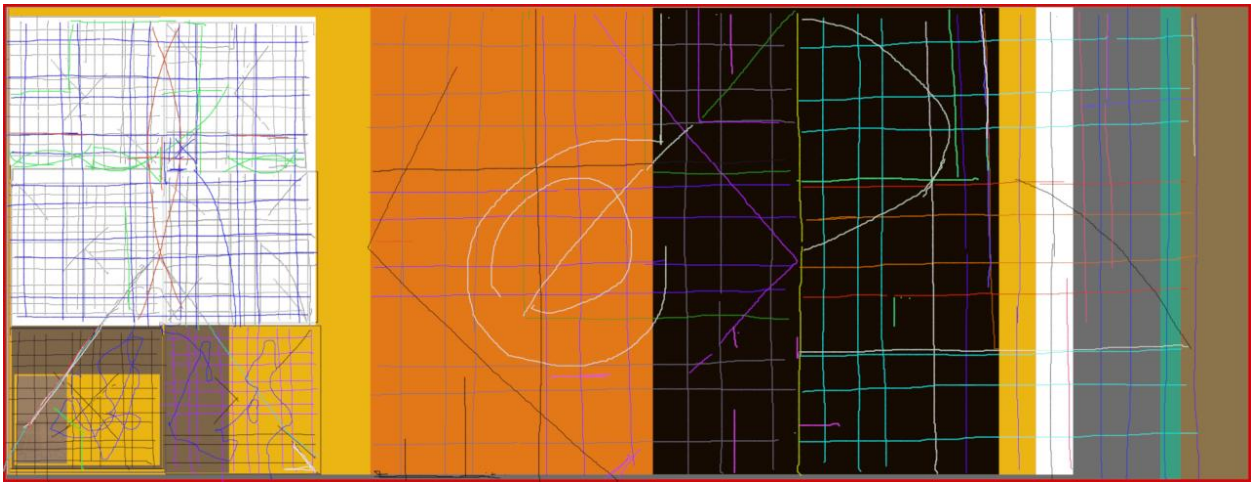
Kathavaya drawing chariot as in curtain

Udrahanaya; drawing out as in hydrate

Udgaralana; well bucket drawn as in rudder

Unnita; act of drawing out as in unite

And so on… (some 300)…



Melancholia’s Rainbow and Cantor’s Paradise

Over the themes of :Jacobian Matrix per Calabi

Yao and string theory Holography , DBranes andHyper bolic band spheres to Bloch theory, Corbino Spheres (Corbu to Corbino)Stern Gerlach and the Unavailable, AdS/CFt,The Implicate Whole and Quantum Lumpiness, 3 Hamiltonians and Diracs Massless Fermion to Graphene tuning, Tunelling Screening and Swamplands Ultraviolet to Infra Red Surreal to Hyper real Maths across higher dimensional folding and orobiting, atomic collapse, Color Flash Lock and Valleys, vortex and Fibonacci anions and Goldstone tunnelling spectral and automorphic forms, gain loss EP to Saddleback and noncommutative geometries between chaos and Randomnes via also theatres of thought experiment with the essential Higgs and string vaccua transpose space with foam and Chenr-Simons and Yang Mills to BFSS structures, essential also Pontryagin dimensionand Polyakov exponentials, Polyakav Lost Hermitian,quantum super critical modes,tunable resonant states,Attractor projection and quantum dots and quasi bound states , Gaphene Lattice , structural contents of Pi, Golden Section and E, Monstrous Moon Shine Solutions, Unknown Hermitian Solutions and

mode switchings, compact unit cell and Aharanoov Bohm fluxes

The near quantum friendly content has a horizon on the Horizontal referencing Durur's Melancholia and a contrast in my drawing between that charge on the Mannachean which also coexisted in his time with information from Gandara both via Alexander's soldiers and implicit connections to Aristotle taken to Cantor's Paradise.

Brunelleschi and Ghiberti in the Roman countryside taking architectural measures noticed the building stone of Romans had odd holes drilled center and realized these were for hoisting via machinery...

Turning to Dururs Melancholia one realizes that what is often referred to in the print as the philosophers stone is actually an object

with dual perspective, viewed to the lower quadrants of the picture as prompted by the magic square it has a larger scale, but visually climbing the adjacent ladder one realizes the form is a house shaped object meant to be placed at the top of the pictorial wall angel who is drawing (angles) with not a compass but calipers which a plate can be engraved with while relating to the rainbow and likewise various implements lying around as edges could be first marks as puns of a sort in the process where the turn over of the plate as printed relates to time and process as the sand glass on wall prompts that in time one realizes the dark rainbow transpose but also the stone collar on ground used to hoist the roofing object to a different perspective and scale the dog composes a torus form and is a visual aside and pun on

the architectural “collar”… In my drawing I use the ideas of geometric transposal quoting in some degree from this Manichean object while also introducing a geometry from Gandharan Buddhas specifically transmuted from Guanyin (via a careful photograph I took of the Guanyin centerpiece of the Honolulu Academy of Arts)… Cantors Paradise of Group theory then takes Gallois origins to what in our time becomes Category Theory over the Quantum World efficiency between Randomness and Chaos…

4x4 and 8x8… game of draughts: the chess board is 8x8 perfect square and 64 in reciprocal is .0156= Planck …the Knights move defines square root of two and square root of two times four is the square root of 8.. a golden section grid on the square would

divide fairly evenly into .0156... the spiral is relating a diagonal to rectangle to that of square similar to progress covering quadrants linking paths of determinants...

Since Penrose's View on Duchamps Apollinaire Enameled can be seen as a a commentary on Apollinaire naming Orphism and this where his own name sake Appollo had as twin Artemis between them the "bow and the Lyre" and yet again to Delphi there was a counter center of the world at Ephesus (where Heraclitus of "the bow and the lyre deposited his manuscript...The Orphic mathematics was that which Heraclitus was closer to, his fragments argue with Pythagoras, ie positing that any point is the center of a circle he is aligning with Orphic mathematics which took numbers as a

cosmogeny and so likewise in my interest in seeing the number line as having a cosmogenesis which maps on to physics as in mapping the relation pi embedded in the golden section to create the Monstrous Moonshine Bridge between Physics and the and Finite Prime Sporadics we find as well that in contemporary mathematics Orphism also relates to the kind two dimensional interplay the Penrose strong established in his tilings and so forth…

Turning to category theory then as a reflection of VonNeuman's onion brackets ((((((x)))))) this kind of expanding enclosures testing the Perelman like surgery then inherent between constraints on co-bordisms meeting fuzzy and Attractor dynamical resonance in the modes similar to

distinction between vortex and Fibonacci Anions and thus the difference between color charge and electromagnetic which continuously inform the mathematical morphisms away from strict confinements... that is bootstrapping is recognized as a procedure which can be reverse engineered to find the dynamical gaps which lead to other potentials of necessity...Graphene affords a two dimensional context then for the realization of these modes and the distinctions between fermionic and bosonic modes which have structured the Langlands automorphic and spectral interplay to the order by which Ads/CFT reads information and particularly non commutable gain loss scenarios per quantum and that corresponding success in black hole holography and in the black holes of the

Graphene system then likewise the successful prediction of new values in the process... the mathematics in this case having translated Jacobian matrix to hyperbolic band structure through the automorphic Bloch relation to the compactified unity ball, and in the drawing I am working on I expand towards a three sphere diagonal this amplitude as relating to a pseudo sphere form upon which the centering of a complete set of a center line expressed to fine divisions of golden section terms will rotate from this plasm index via a diamond to square root of two diagonals simultaneous to the square root of two and four the square root of 8 and thus the plasma midline can be cleared to expressions on the diagonal of those inter rations clearing space like cosmic dawn...

THE GENERAL REALIZATONS THEN ARE OVER THE NATURE OF PHYSICS AND NATURAL PHYSICS IN THE FIRST AND SECOND QUANTIZATIONS WHERE IN THE FIRST CASE AS THE CHAOS TO RANDOM REGIMES COMPARE THERE IS THE CERTAIN QUANTUM QUALIFIED UPON HILBERT SPACES AND WHEREIN THE “OBSERVABLE” IS THAT WHICH IS FASHIONED TO THE CONSTRAINT AND GAPPED HAMILTONIAN , WHILE IN THE UNCERTAIN QUANTIZATION FOLLOWING AS IN CONNES NONCOMMUTATIVE GEOMETRY THE UNCERTAIN QUANTOM IS THE TRANSITION FROM CHAOS TO THE RANDOM REGIME AND HERE THEN ARE THE UNCERTAIN REGIMES EXTENDING POTENTIALS TO

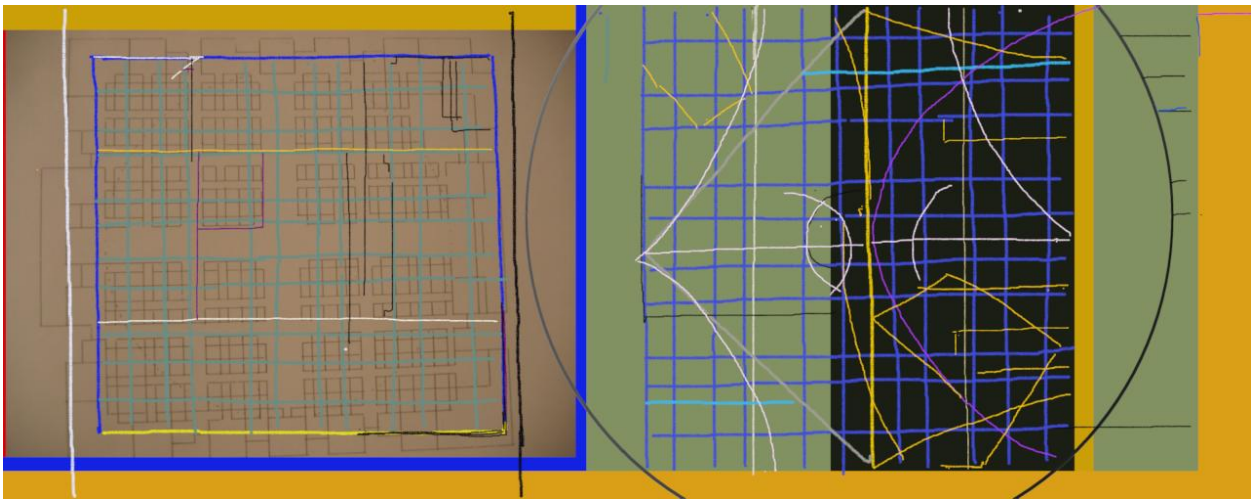
HIGHER DIMENSIONS AND THE REALIZATION SCHEME BETWEEN BOSONIC AND FERMIONIC APPROACHES BETWEEN THE SPECTRAL AND AUTOMORPHIC FORMULATION THEN MADE TO AdSCFT AND THESE SCREENINGS IN THE GRAPHENE LATTICE AND PLASMA ANALOGS OF VORTEX AND FIBONNACI ANIONS CARRY THEN THE INDEXING OF POTENTIALS IN HIGHER DIMENSIONS WHICH MAY BE TRANSLATED TO NORMALIZATION AND THUS THE ABILITY TO PREDICT CONDENSED MATERIAL RESPONSE AT THOSE TWO DIMENSIONAL BLACK HOLES AND ALSO THE SUCCESSFUL ANALYSIS OF BLACK HOLE HOLOGRAPHY IN THE EXACT MATHEMATICS.

These accomplish the comparison of color flash lock or the interposing of color and EM

regimes..and the Stern Gerlach transition to unavailable measures can thus be construed by switching modes... there is a kind of link also between Bohm-Aranhov fluxes and Corbino discs in the reading of the mathematical fields taken to Bloch inversion characterizing Jacopian matrix in the two dimensional black hole regime... in my drawing I extend the earlier bridge on Monstrous Moonshine toward examining the Etale consequences which review the relation of the golden section to pi in extended morphologies from which Gallois origins entice Category Theory...

The first quantization we saw yield physics, where the observable was defined to the observer... in the second quantization entanglement and superposition enter and

this as natural in physics observable events then are “natural physics”...



377i10

Spatial Layering :Arts of Mathematical and Physics Category Theory : Left and Right Orientation and String Orientation or Gap.: mirror from Dirac to Dracule.

with the consequence in DIracs's holes that then a kind of Diracula’s mirror pertains as there the time reversal element per Feynman is the infalling electron seeing its reflection so to speak and thus the annihilation…

Per relating color charge and EM Meta language Topology of mudra forms translated by artist in early etchings Nauman on heels of Rodin as graphing as it were hand positions to dance poses as meta language

topologically equivalent mathematically the relation of receptivity in the mathematics between relating constraints to morphisms where similarly string theory is part of LHC mode of relating divers Hamiltonians evolving between those regimes and those necessarily also between higher dimensions/reflecting on lower basins , ripples, arriving as evolving in degrees of freedom... thus the receptivity of information in very hard constraints ie 1.1 Graphene magic angle nevertheless even there must relate to the structural receptivity to analytic continuity ie the .13 nanometers atomic spaces and .246 distances relate to a host of relations between the transcendentals pi, golden section, and e...where these show the number line relates to itself as an implicate morphological whole topologically initiated

by Gallois, Cantor Gausse, Cayley etc of which those transcendentals are bridge forms like pions in the nucleus over the layers of d-brane color tube, confined, nuclear confined, and Electro Magnetic yet all through quantum flux... dimension and brane in particular reviewing to approx.. calculus origins thus the relation of oriented and non oriented strings (relation to intervals) graph to Category theory hom sets to abba and abab etc...drawing in process working to specify over contexts of color charge and EM, to the representation of mathematical adjoints and additional charges and D brane thermal viscosity references.

In this drawing the left and right orientations of Category theory in which right orientation is towards limit and left co-limit, right towards output and left input in relation to color charge and electro magnetism as defining towards those string regimes that are automatically ultraviolet closed and represent in calculations in the AdS/Cft relation of analytic exponential growth as opposed to perturbative modes or iterative in the 4dim regime of the dual. In terms of complex distribution then over the ist and second quantization's, and the handling of cobordism, critical levels, tunnelling, attractor morphology etc... also meet the interesting 1.1 graphene magic angle where unusually defined limit can be tuned. In the drawing I turn to the Categorical underpinning of number theory which

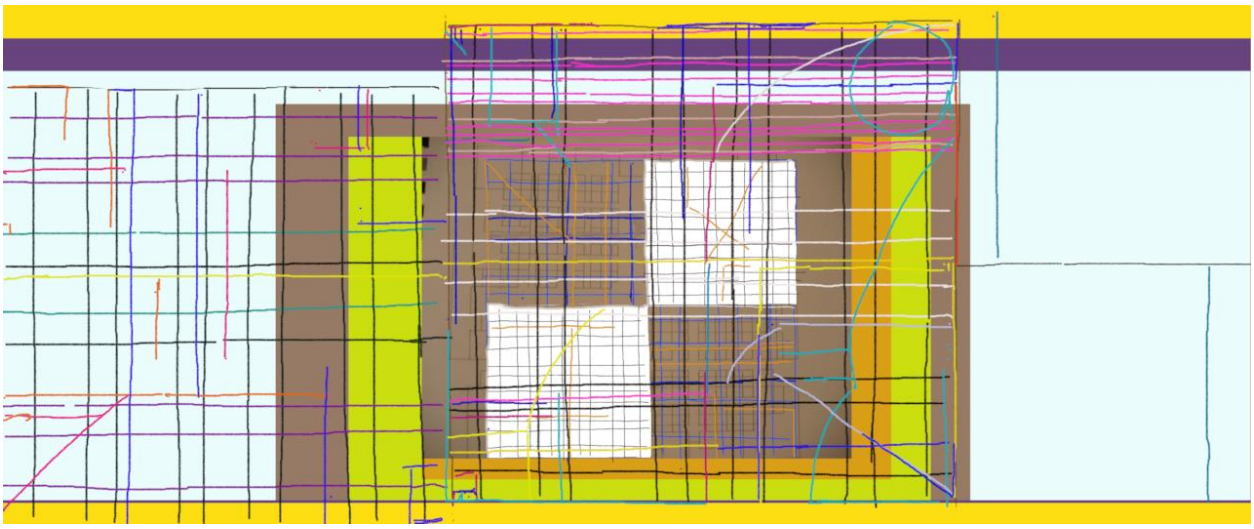
condition the receptivity of this hard limit to its factual arrival... In the interests of realizing analytical continuity the golden section grid recognizes of the square root of two two option, odd and even, .707 and also .708 which is in latter case three times .236 the third turn of golden section spiral and in relation to this I give two definitions of the golden section in left- right mode.(which topologically prefaces the non perturbative and generalizing string dimension over higher dimensions and embedded vacua as unfolding to world sheet there meeting per Dual the AdS/CFt joint to perturbative as exploding that representation and adjusting data analysis . The drawing studies an indices of golden section values between 1 and zero while also the suffixes of their differences and these small values the correspond to the

meromorphic translational values of Attractors and world sheet explosion. The Golden section grid allows a value of .0156 that is in reciprocal 64 as 8x8 matrix and this as the value of Planck relates the grid then as on that level the “unknown Hamiltonian” which justifies the Riemann Theta by defining the transcendental as real and carrying that information left-right… the value relates .01 to .10 in relation to the numbers .1056 and .0156, the latter we have just seen and .1056 is the gap space between twice the reciprocal of the square root of five in a square field. .56 as 1.7854 shows .7854 as complement of .2146 which is the reciprocal of the Feigenbaum… and .7854 time four is Pi. The drawing uses two spectral triads, the number 1.854 as right wise and ..518 as left wise… 1.854 as .618+.718+ .518 gives .528

the square root .718 and .718 we recognize in Eulers 2.718281828 as .618 plus 1.1 the magic angle and Euler's in reciprocal .3679 times 3 is 1.1... the number .518 itself becomes leftward, the previous sets emphasizing the golden section module then are like bits in their evolution storing the information to unity relative the module in extensions or boosts...a tuple or input mode corresponding to string theory like vaccu declensions of degrees of freedom one can extrapolate from higher dimensions as compactified one could describe this process with modified Cayley Dickenson diagrams !...Returning to .518 that number is in reciprocal 1.927 and this is composed of a spectral triple .6336, .65 and .64 where .6336 is unity plus the reciprocal of the square root of three and is also two times the reciprocal

of pi which is composed of three times .1056 the gap between the square root of five in reciprocal twice applied in a square.. while .6336 doubled is the reciprocal of .788 where that number is the square root of the golden section... In that respect also the right ward definition of the goldens section finds the Weinberg angle times .231 then 1.618 whereas the leftward is via the reciprocal of the square root of ten plus the reciprocal of the square root of 11 as summing to .618 and 11 divided by ten is 1.1... (in constructing a monstrous moonshine bridge I have found the golden section to pi structures describing every physical particle and every finite sporadic prime... thus the idea emerges that these transcendental create the structural receptivity which in pre measure and post measure go beyond that to implicate their

part in Category Theory of necessity...The drawing treats the smaller suffixes and degrees of difference as a kind of plasma where those charges against themselves explode out into attractor dimension or can be quantized and held to relation to .0156.. the leftward then analyze towards the modular function and the right towards unity...



367j7

Deconstructing Structuralism Through the Theatres of Complex Extension in Pre and Post Measure Architectures and Fluxes

The drawing takes the tact of relating an architctural layering approach to number neighborhoods, via tableaus generatied of localizing and globalizing vectorss of interest through which inclusion and exlusion morphologies are identified to transcendental grouping modes and in particular the golden section as rightward, exponential and leftward K t o n box mapping between the modules and unitary aspect as bit like storage through

multiple symmetry indices of Maxwellian generation and storage amplitude…

If

If

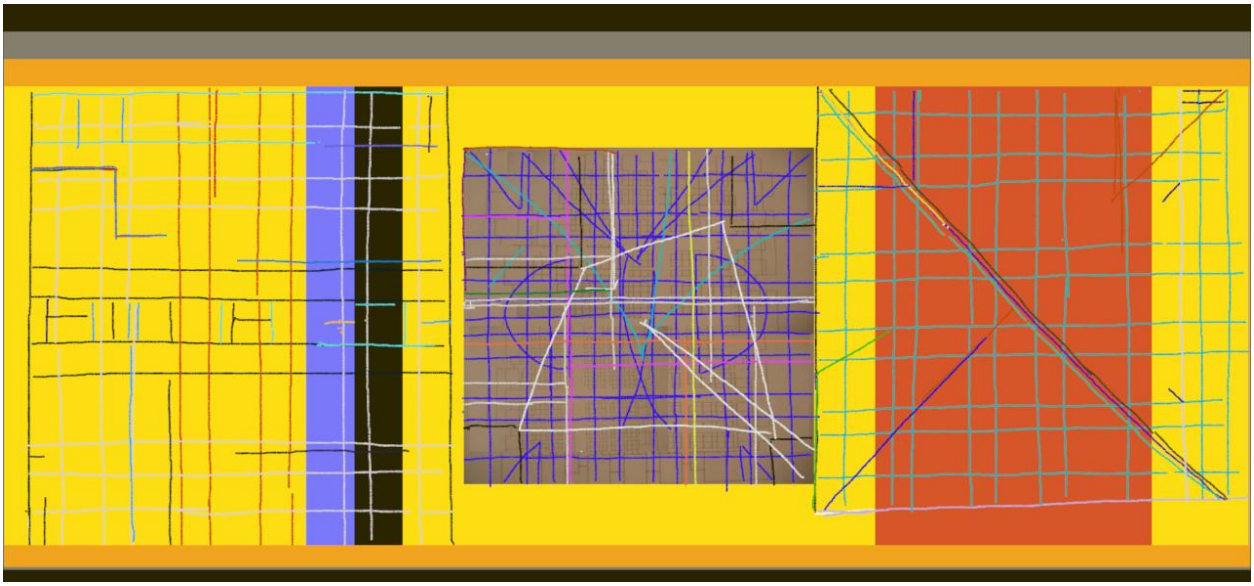
, like Bernini sculpture visionary and distinct from space time unless deliberately introduced, both the Higgs Mechanism and String Theory model a dual in that per the Higgs is the bootstrap over a given studied to spontaneous symmetry breaking in that regard…and global… whereas in the string context this is a choice rather than a given and is localized and the rolling out of the world sheet is like the relation of hard distinctions to visionary softening in The Bernini and sited to the fountain as

morphological arrows. (in the Bernini case the harsh distinctions in the composition as flooded to a smoothing which displaces the Michelangelo block and struggle to an interpolation like the time reversal of Feynman diagrams where the Dirac points will mirror like vanish where past meets present and future disappears…(Diracula mirror in advance of Robert Smithson's meromorphic…

Then

My continued interest in the drawing is to take a relation between exponential rightward states in relation to flagged manifolds leftwise in the Categorical distinction of projective variety and relate over this a relaxation of the function. Formally these relate to Bruhat orders as

morphological quotient space which I model essentially as a variation over Cox Dinkins diagrams conceptually relating to the Golden section as a bit like form in dual symmetries bilateral and log relating to unity and module simultaneously in the generation and storage Maxwellian entropy... this reviewed as well to a Casimir plate like identification of energy entropy in a Leger like grouping of Shannon entropy and interior swelling or throats rather than tidal motion.... (etymology; Bruhat traces to PIE Abro which means to bridge or cover,or complete ie the word imbrue embraces the previous civilizations view of color as rather than a palette the rubbings of amber as they show in difference...



367k8

Gravitational Antipodes, 1.1 Black Holes and Numberline E/Cayley Waves

This drawing poses within a hypothesis that gravity relates the pre relativistic state of The Higgs and the pre world sheet rollout of string as in that status particularly open to a kind of cosmogenesis of the numberline which creates structural receptivity and inducement to come… the full hypothesis then that this is a kind of time crystal and that gravity links states as quantum breakings that translate as well to Graphene microblack holes of it’s lattice… and

the mathematics of the golden section grid I use carries a resonance of the goldens section in that as transcendental embed there is in the section a kind of bit as it relates unity to module and stores information.. which can be related I believe, then to the drawings specific cascade where the 1.1 addition to .618 frames Euler's 2.718 while the reciprocal of 2.718 times three is 1.1 and in the drawing I focus on the following terms 2.7182818828459 as antipods I create via the value of .1818 is complement of .8172 as one sees it the reflection of 2.718 in the numbers characteristic

wraparound and mirroring over diversifying symmetries...as in also .1828 the complement of .8172 ... I am interested in .8172 as the reciprocal of 1.146 or unity plus the third turn on golden section spiral.. as .8172 times 8 gives 1.46 thus ten times that turn and the 8 fold reflects on the square root of two time 4 as the square root of 8 thus preparing a transpose to j and k axes which I see in relation to .127 the complement of .8172 and which added to .1828 is .3o9 or half ratio of .618 the golden section module...The drawing places these two distinctions in the composition as antipodes and

between them I structure a d-brane like composition in which substructure give some of the essential string notation... into the j and k axes I feed the various splintering's of golden section fields cycles and neighborhoods... as the transcendtals relate I am inclined to see this as similar to the proposal for a universal operator set forth by Andrze Odrzyywolek on EML which has the history of Euler and Dirac as well...

Given that gravity must have something to do with the relation of color to EM charges while through the lense of our number line E,Pi, Golden Section and i also in their respective transcendental and Hamiltonian roles relate a kind of inbuilt aspect which structures what arrives as Einsteinian physics relative very simply radius , diameter and diagonal... with Maxwellian gain and storage and Quantum gain/loss, saddlebacks, diabolical points, interference, entanglement and superposition relative Artin and Noether structural discriminants towards mathematics of

up and down left and right determinants in the functors how might one propose the best ten guesses as to how between color and EM charge and the Lense of the Cayley and Euler amplitudes of a number line genesis in our ordering construct over data do those differences give some Ansatz over some principle or variety thereof?

Interestingly: time crystals are likewise analogs to Higgs pre Relativistic encounter and String Theory pre – World sheet roll out… The Higgs encounter with Relativistic is a boot strapping based on spontaneous

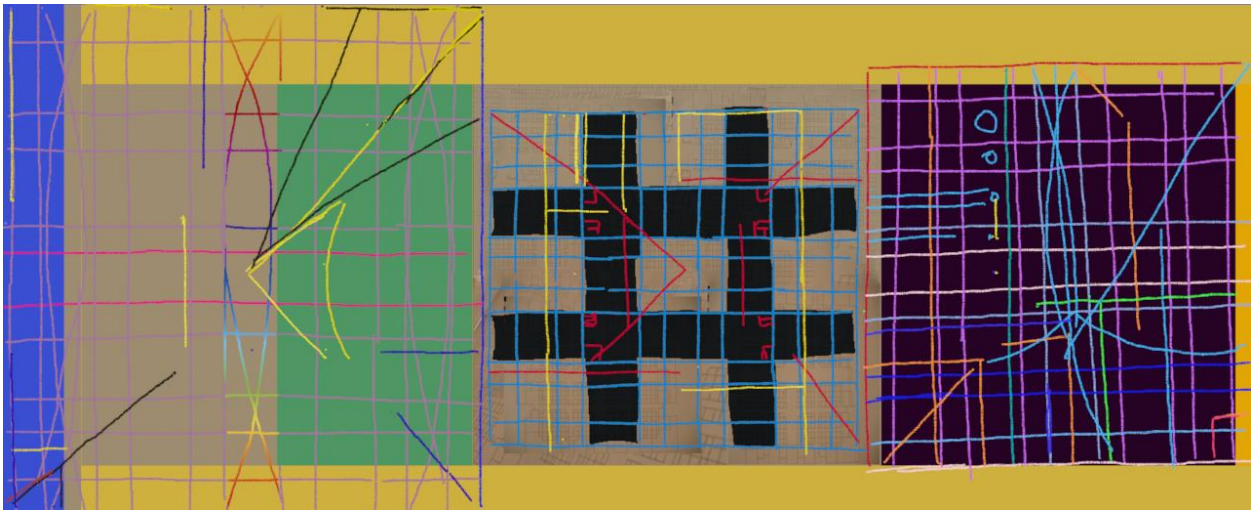
symmetry breaking whereas the string dimension “chooses”… the particular vacua is out of potential and happenstance and likewise the time crystal steps away from motivator ie Laser apparatus to choose its own cycle : extrapolating then that as the Schoedinger equation links the probabilities of states could the case of gravity be that quantum encounters with medium, phenomena, fields be in those measure a record of interruption which like AI ability to compute can do so through its field to relate a stacking of winding numbers as a unified gravity force?

So just as Graphene in condensed Matter physics has it's own micro Black Holes, the Relation of The Higgs in early Universe to Compressed materials is implicit in the very compressed universe!

The encounter of first phase string and similarly Higgs mechanism as then migrating to world sheet rollout and relativistic space broach Via the idea of a time crystal Gravitationally and Generally speaking the first quantization relation to matrices and second to linear algebra and prompt for me a speculation that the idea of the time crystal extends to these in the

morphology where as each so to speak selects a vaccua which is in the Higgs a kind of setting where the Higgs field turns on, and in the string vaccua a more formalized flood of options are in the matter of choice a difference of the former as approached generally per bootstrap and the latter through the more exotic referee of dimensions… the atavar for string in my drawing in progress would be the diagonals per quaternion and Division Algebras Octonion… as setting dimensional flux to also abba and abab form of the Von Neuman ((((X)))) onion and for the Higgs a reference to the nurses

ophthalmoscope with sizes of pupils on the implement thus as it were the map of sizes of the pupils ie the astounded eyes ...



376L6

Matrix to Linear Through The Information Energy Gaps from Artin and Artaud as Estates Etale to Three Marcels, & 3 Wrights as Well as Two Duchamps and Dual Washington.....

The Protean state of Information in physics relative it's representation shows in the fact the Large Collider must destroy almost all it information each run since there might not be enough space in the universe to store all the collective information and generally speaking... the course of Category Theory over the evolutions of Matrix to linear and it's non commutative River Run so to speak...(in the Connes quantum geometry) frame, like the artist Marcel Broothaers the aspects of framing upon itself witness VonNeumann's onion.....thus like hard distinction once held

between engineers and architects wherein that difference dissolves as glass structures evolve so likewise between the Looking Glass and Duchamp's Large Glass the difference standing between finite (Surreal Mathematics) and infinity ie Hyper Real) become managed in the relations between first and second quantizations as mathematics and physics now find that thinking about thinking through abstract representation becomes formal normal functorial and nomadic monad.

The Glass and Steel Revolution is represented to Time as well in another Marcel namely Proust, where the evolution of the Catherine salon to the boutique and mall belong to "salons" created by that industrial amplification towards representing commerce of kinds… an important example of the steel and glass fronted by the

Genevieve Library which exemplified a representation of Classical comport to radical realization in a finessed and unique representation… and in this library worked Duchamp who built up there like Einstein in his Swiss inventors office a sensibility…to receiving and interpreting information and a contemporary momentum to the nexus…Duchamp's great Biographer Hamilton, himself a well known Conceptual Artist had such a deep understanding that Duchamp allowed him to sign a model of the Large Glass as Duchamp the Second…and over these three Marcel's Duchamp bracketed three Wrights as the photographs of the Wrights flight taken by the brothers themselves motivated him to relate the various incidental objects on the ground as elements of

information within the Glass, and in Bride/Staircase, there is a reference to yet

another Wright namely the painting of Alchemist in Search of the Philosophers Stone of which formal elements and the general idea have representation within the Glass and an ironic observation I will hypothesize that he recognized the “philosopher’s stone attributed to the Melancholia was in fact the cap form for a wall in the shape of house as being modelled on the ground…there fore the three Marcel’s and the Wright Derby….

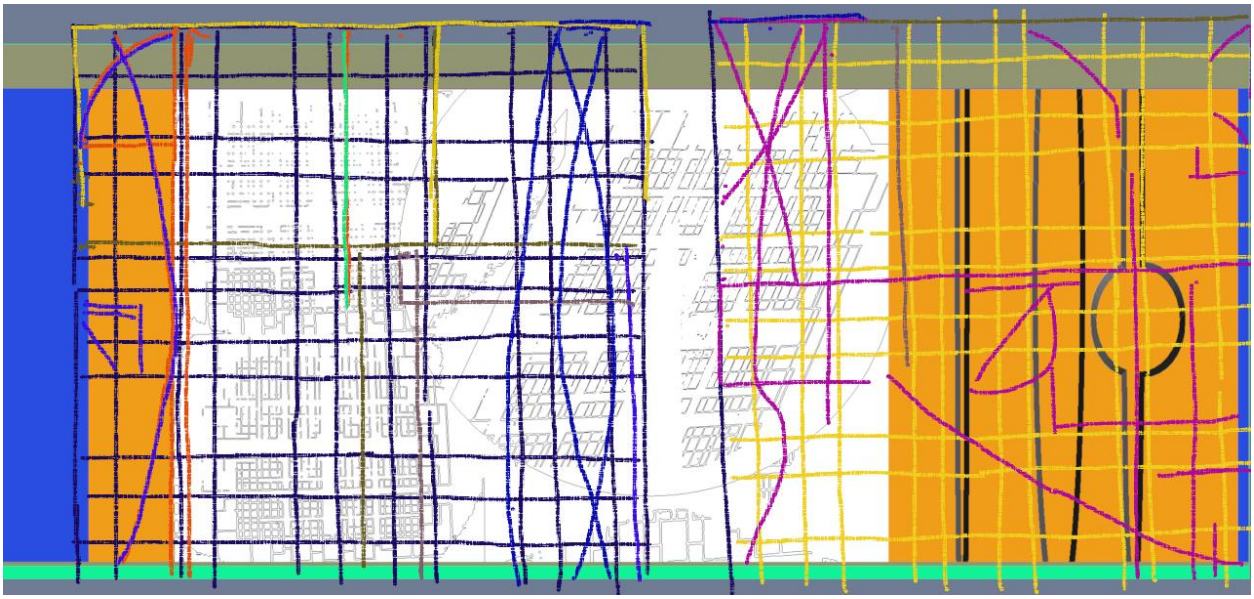
The Alchemic aspect has an interesting aside in the Conceptual Artist Asher’s photo series of a Bronze Washington transported and placed to the interior with marble statues, as the Bronze is traditionally place as exterionr sculpture and marbles interior…

Mathematically Artin’s use of a mathematical Tableau then interests me as mathematics influenced by a rhetorical dimension…while Artauds exploding of a surrealism belonged to an interest of the time in the relation between Surreal and Hyper real mathematics…these

indeed then part of the quantum address where we started and emerge…the etale element

of course the Gaussian prelude to representations of this kind…Broodthaers had the representation of a drawer of small onions in plaster, ie the skin now nucleated as the metaphor towards the surreal and hyperreal…his first works were plaster versions of his unsold poetry books and this in turn reflects antipodally on Brancusi's ghosts, or plasters he made of sold works to maintain in his studio… parenthetically, he also had exclusive rights to photographing his art, this then oddly reminiscent of Berenson book "Homeless Art of the Renaissance" who maintained art works in private possession had in a way become homeless…tangentially: I would love to illustrate Finnegans Wake but it has not entered the public domain and his heirs have sued performers for even memorizing the book as an act of copyright violation… I think

it enters the Public Domain in 2033 which by all accounts is heralded to be an interesting year…



367m4

late to the discussion but in relation to this super precise index would start with weak theta the Weinberg angle as the warrant that theta is the complex cause in the electro weak breaking and this mathematically the case of the mathematics mapping its object but also self reference and as 7 times the Weinberg is golden section which following seems that structural receptivity through which golden section acts as a bit to store information between modular and unitary aspects … following up the sections relevance to each indices then this is in relation to a golden section grid which is evenly covered by value .0156 e.g. the simplified Planck, and so through that toy we assemble representations as follows:

For electron mass 5110 to metric in reciprocal .0001956 to negative third will be 1.46 or .146 the third turn of golden section spiral divided ten, to negative 2 the term will be 3.82 or ten times the second turn; for the muon mass of 1.0566 recognize .1056 divided ten where .1056 is gap between square root of five reciprocal twice applied in square area...The Tau Lepton mass 93822 to metric will to sixth power be approx. 1.2997 or unity plus C where C times 3 is 1.112 and .112 as vacuum permittivity is 8.927 and this doubled as 17.854 is 1.7854 times ten where .7854 times four is pi and complement .2146 is reciprocal of Feigenbaum and times ten 1.146 or unity plus the third turn of the golden section spiral... The Proton Mass as 938.27 to metric is to tenth power 6.788 where .788 is the square root of the golden section module

.618…The Neutron Mass will be 939.565 in reciprocal 3.688 where .688 is 1.2997 and .2997 to negative 5 is .927 this doubled i1.854 or 3 time the golden section module .618… The Electroweak mixing parameter of Weak Theta the Weinberg Angle at .231 is times seven 1.618 = golden section

The Mass of the W Boson to metric is . 80.38 and this in reciprocal is .0124 which is half ration of .0248 the fifth turn of the golden section as marked from .4472 the square root of five it's parent…The Mass of the Higgs Boson at 125.25 to metric is in reciprocal .00798 and this to neg seventh is .927 which doubled is 1.854 or three times the golden section module .618… The Inverse of the Fine Structure Constand as strength of electro magnetic field at low energies is 137.06 in

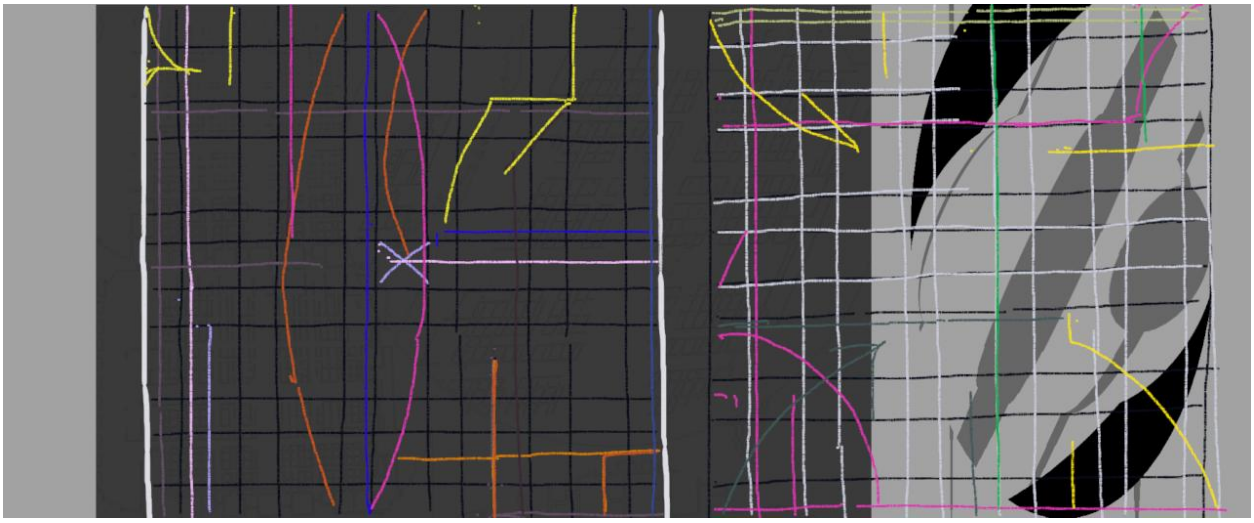
reciprocal .0073 which is one of a series of characteristic golden section suffixes which range .0019, .0082, .0073, .0064, .0055 , .0046, .0037,.0028 , .0019 denominations of ten presumable as the reciprocal of the square root of ten plus reciprocal of square root of 11 sum to .618 closely... ,0073 to negative third is .292 and this is the complement of .708 which as three times .236 the third turn of golden section from 1.618 or second from .618 is the value of the square root of 2 one can compare with .707 in complex analysis.....0073 to negative nine will be 1.118 and this doubled then = square root of five parent of the golden section.

The Top Quark Mass over Tau Lepton Mass as 97.27 to metric is to seventh power 1.65 where .65 in reciprocal is 1.5393 and .5393 is

the reciprocal of 1.854 as being three times .618 the golden section module... The Charm Quark Mass over Muon Mass is 12.02 and to neg 2 is 3.466 where .466 is the Feigenbaum divided by ten, and 12.02 to neg 6 is 1.2997 where .2997= c and to neg 5 is .927 and times two is 1.854 or three times the golden section module...

The Bottom Quark over Strange Quark Mass is 44.7 and this is approx. .4472 the reciprocal of square root of five then divided ten... The Wolfenstein Parameter as .0227 is to neg 3 then .691 and this in reciprocal is 1.4472 or unity plus the reciprocal of the square root of five... .0227 to neg 3 is .388 which in reciprocal is 2.578 approx where .578 is square root of three... The Second Wolfenstein Parameter for third generations

is .790 and this is approx. .788 square root of golden sections... The PMNS mixing angle for neutrinos as 8.6 is to negative seven 2.4224 where .4224 is the complement of .578 approx and .4224 is .1056 times 8 where .1056 is the gap between the square root of five in reciprocal twice applied In a square field.



367n5

Between Collapse and Decoherence Teichman Intra universal and Evertt Branchings Tropai in the Basketball 4d Conversion...

so all in all there must be some tension between the idea of wave decohering and collapsing... turning to the old metaphor of the fourth dimension being like a basketball turned inside out and considering wave collapse as environment reading the wave in the case of a Rabi like function on the wave does it then incorporate the environments reading of itself in an inside out kind of way in this model then might the Teichman and Everett modes also so to speak turn on each other as in the origins of the word entropy in Greek Tropai or turnabout...?...

Notes:

Newton and the Calculus of the Heraclitean Flight of the Soul

I am working on drawing presenting the idea of an exotic relation like that of the 4 dimensional :basketball inside out which links the two modes of thinking Quantum, the Collapsed Wave and the Many Worlds to alternatively then a relation like that of AdsCFT to Langlands Automorphic to Spectral as for example is lightly sketched in Conne's Noncommutative Geometry

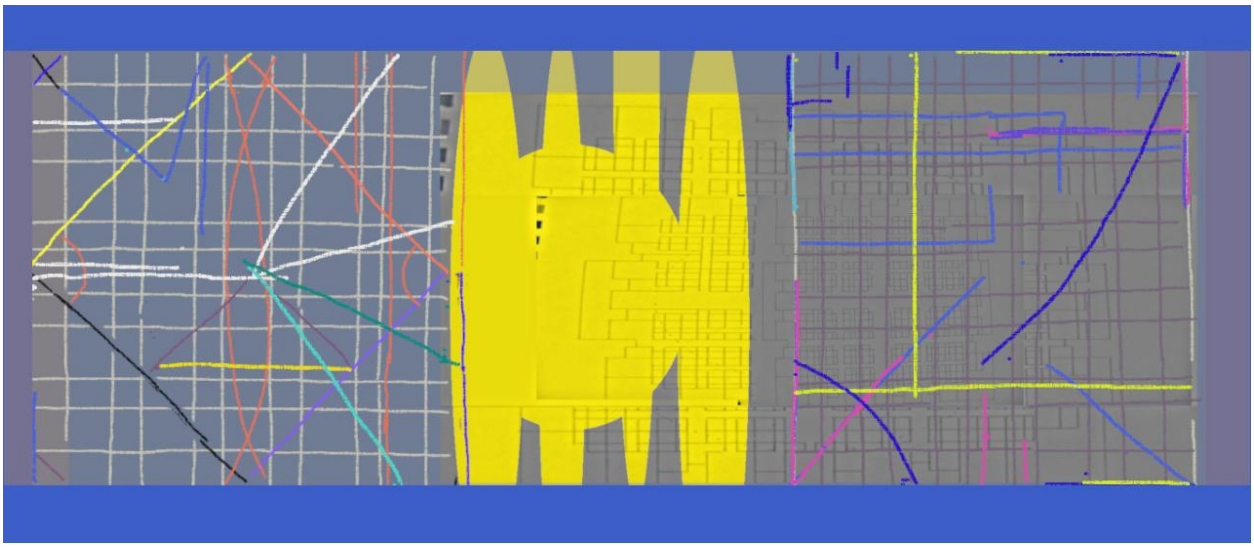
Not to hide our light under a bushel then :Musically from Love is a Basket of Light to John BarleyCorn to Box of Rain the turning there to the Orphic tradition familiar as Sacred Mathematics for example or indicated in Duchamps title 1) the Given 1) the Waterfall brings us to a short interview he had with artist Robert Smithson: Smithson: "You are an Alchemist" Duchamp : "yes"... Before interviewing Newton's relation to Alchemy then I would first interpose my own slight interview with the early Digital artist Lillian Schwartz who as a child had heath poisoned via parents' exposure in Japan to the Bomb...and who in early childhood use Japanese art forms as her art therapy mode, influencing her later famous creativity with Bell Labs... I had mentioned that

it was through the Drawing Research Network in Great Brittain who had a certain origin in relating drawing to the many dialects in Great Brittain and they giving me a valuable forum- she mentioning she was thinking of moving her archive there…She mentioned what disturbed her most… her families genes would be poisoned for hundreds of years.

This in contrast to her own contributions which will enlighten humanity for hundreds of years brings me back to Newton and the relation to alchemy which strikes one at first blush as an anomaly but which on closer examination is the featuring of a series of lemmas… which trace to Greek framing of knowledge networking in our earlier tradition… and in particular to the idea of states…if one thinks for example then of the importance of phases in quantum theory and relation of “phase” to Phaedrus” the Sanskrit origin of the word where Sanskrit itself was an early Artificial language for advanced communication (a kind of “Institute for Advanced Learning” as it were)… would be linked to words indicated in Heraclitus” It is an which turns back on itself like that of the bow and the lyre” which links puranha or net (net effect) and apurahana, the bow to those indications on potential energy from Sanskrit Ananha, or breath ultimately derived from Akkadian Uruanha the Dawn Goddess and the idea of the fragment relates the twinning of Apollo and his sister (as twins themselves) to their attributes

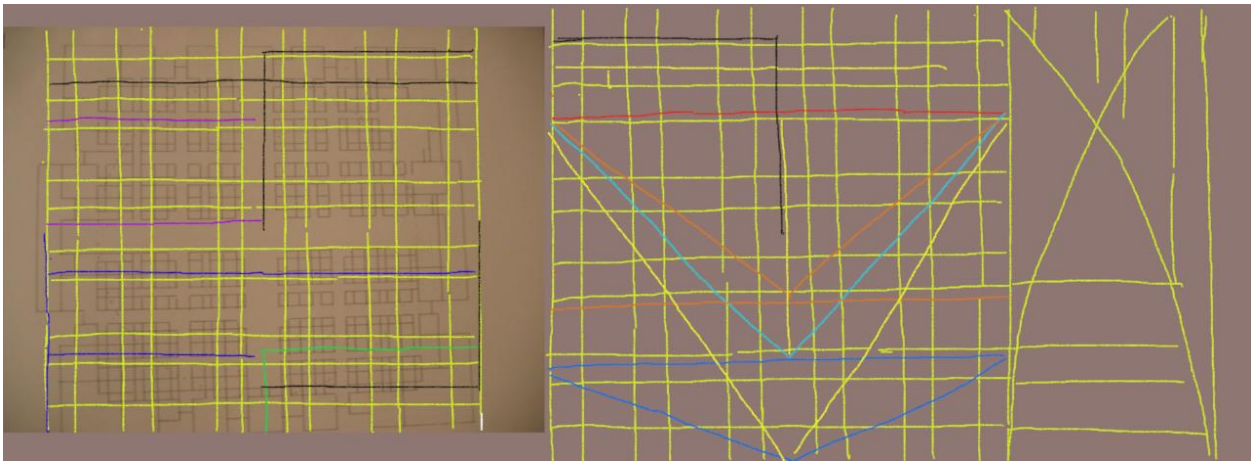
of the bow and the lyre and also an alternative center of the world of Delphi posed to another Goddess Artemis of Epheseus, (where Heraclitus deposited his manuscript…returning to the idea of states then as we may compare to those just listed in lemma as kinds of knowledge and also different places or centers…the idea of nations at that time were not like ours, populations were very approximate grouping …similarly, the growth pattern of knowledge was not tightly bordered nor is it now , really, but rather is a flux over poetry to rhetoric to mathematics to physics and the various other states of knowledge and art one finds along those determinates…Heraclitus fashioned his remarks in relation to the philosopher physicists of his time, and he had a kind of running argument with Pythagoras in which the Orphic nature and sense of divine inspiration mixed with mathematics was taken by Heraclitus to a more concerted focus on identifying the nature of duality as a global morphology… thus he posed to the Pythatgorean theorem for example the counter that every point on a circle is its center… from that remark then turn to Newton and then one sees that this is his point of departure along with a view inherited along these lines stemming from Heraclitus that natures elements “suffered” transformations… for a more modern example of a similar prompt withina developing genus of knowledge we can notic Freud’s famous parable of

the burning dream father ie whose son dead in fire comes to him in dream each night saying father cant you see I am burning which Freud takes to be the dream state commenting on its own state of consciousness and which would seem in reflection to relate to Heraclitus of “a man in his cups is lead by a boy …and again… “sleeping they touch the dead… waking they touch the sleeper”… it is then this general flight of the soul as the path of knowledge which are the alchemy of Newton evolving to our various use of Lemmas and of phase determinations…



367p7

Yes... in this drawing the values of a DiMorgan mathematical symmetry valancing have the dual of a chevron interpretation of the same proportions in that evaluation of a triangular matrix which carries something of the dual nature posed of the Nike shipboard to a Kouros figure...



367q2

Prime Mapping through Dimensional and Gravitatonal Signature of Number line and Exotic Model

Contingency and Exigency Towards the Cases of Advanced Symmetry :

In the case of exigency we recognize the Greek Root Eikei,”existence”. the broad class of being, being in and of itself qua of course Heidegger , the being of being of being and so advance the meaning of the mean and this one could say has modelled first Russel’s paradox, and then, constructively critiquing determinism -Category Theory…In Barbara Tuchman’s book A Distant Mirror the mirror of the past is invoked, somewhat like Proust but in a more deterministic lenses… if we look on the other hand at Robert Smithsons Enantiomorphic Mirrors which cancel each

other image we arrive at the quantum ie does the wave cease as the quantum wave as probabilistic to its state of entanglement when it if fact meets probability a) collapses, b) decoheres and the probability is simply repressed, ie unavailable information and so subtly different than a wholistic Pilot Wave… as “unavailable Information”… in that latter case while the former appears to be essentially Perelman like “surgery”…contingency then modelling the probabilistic outcome as taken as directed to “constraint” ethos…

How do you model unavailable information? An example would be that via the fact light in a medium can be slowed considerably from the speed of light in a vacuum (and we can propose different vacua levels as well)… light

in materials can leave traces representing the difference of that slow down in an experiment, so what is in that space? We can build toy worlds to place there an arbitrary modelling over our question as to what phase development there is that we are imagining.. and then in a Taylor like way compare this to objective researches taken experimentally...which in and of themselves are also just probes... thus this aspect of the experimental probe and the theoretical probe are analogical to the quantum wave which may 1)collapse, 2) decohere... there for , for example it has occurred to me that taking the quantum wave as relating to an environment which is also quantum the idea of environment belongs to human language which the quantum may find so to speak untranslatable, and that turning to the idea of

Greek Tropai, or turn of events, one might instead offer a “seamless reality” by considering the example of the 4 dimensional basketball, turned inside out, in this case, just as in AdS/CFT the bosonic and fermionic clauses of find in the dual of space time and string theory a workable cobordism so then may information as deemed chosen and collapsed to state dual with the aspect of that now suppressed as decoherence to “unavailable” the meaning of which the categorical theoretic then can carry on over these various advances on how to think symmetry…to begin with we often assume symmetry is “ bilateral” but this is not the whole story as there are for example the log symmetry, the Hom symmetry, the broad classes of analogy in general…quotient spaces, Group representation , branch cuts

and meromorphic forms, exotic structures and so forth…not to mention emerging duals on what is meant by “intelligence”… .

where: beyond quarks and gluons as pure energy there is yet another more pure aspect which in its lumpy distribution (no reason to be symmetric) the experience of space in a Jacobian manner elicits twisting which packet energy we call gluons… the singularity has deeper aspects than we imagined and throws out a strange lifeline almost of simplicity of all things…

in a way this relates to the lost microsecond of cosmogenesis, the pre expansion micro which we know nothing about even inverse solution has to be reimagined but just as a time crystal exists outside of time and just as there may be a layer composite beyond

quantum in relating how the strate which out of energy in that allowable pure state of absolute pre plasma is as it forms to space twisting from lumpy distribution twists which packet to gluon is there yet also a separation over the time element in some relation to singularity which is then to time crystal over time as post quantum may be to quantum?

Could one hypothesize that energy fabric of the missing microsecond pre expansion relates a non thermal aspect which is a cobordism to the thermal aspect by which expansion acted on the twisting of of energy lumpiness in packets become gluons and then if higher dimensions such as one can compare to string compression arrive as the suppressed aspect of decoherence as very

low energy signature although open potentially to excitement toward attractor or signature motion...one might likewise say in comparison that the higher dimensions have very low gravity if one allows the idea some quantum level interaction motivation on gravity along these lines as one possibility, or on the other hand a slightness of gravity to string dimensions per se in standard geometric...that gravity in the string dimension and higher dimensions in the rolled out world sheet or 4dimensional world are both highly suppressed in one state but represented on their cobordism in a way which makes the observable almost a hypothetical... or perhaps in fact so...this would allow missing information to act something like negative space in art, or scientific quantum experimens where a

computer failing to receive a signal is in fact a kind of sign...

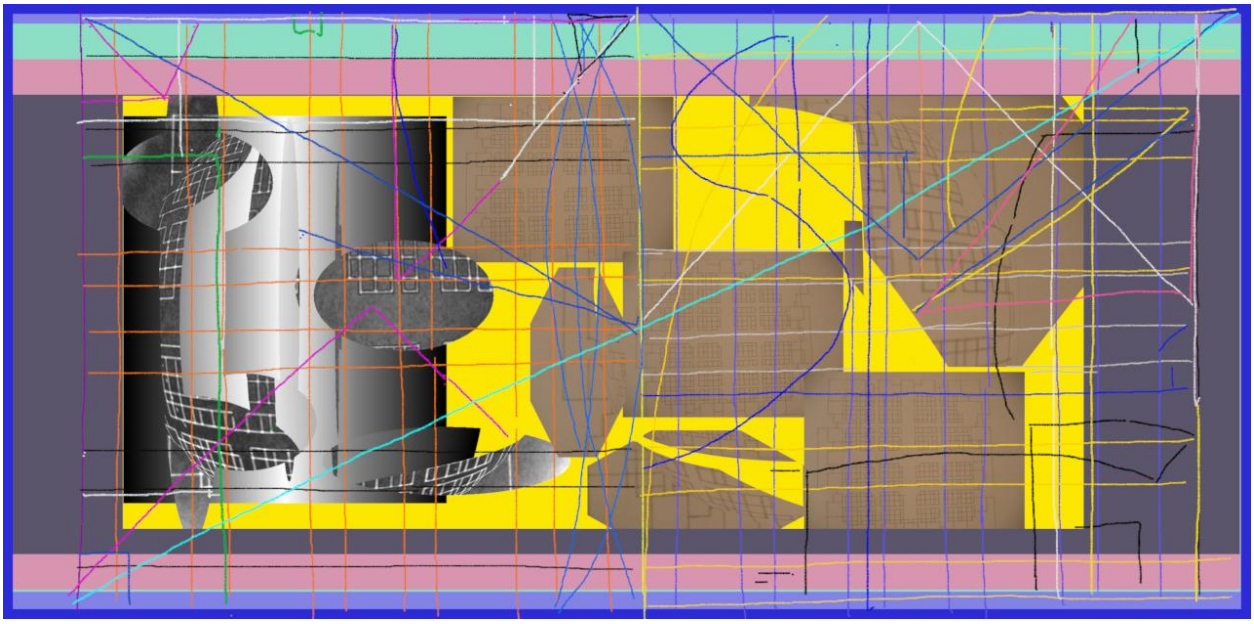
The given indication then of naturalness to thinking in added dimensions in relation to small differences per the subject gives the familiar bending of light and bending of space opportunity to review indeed gravity then as in smallest potential signatures in say string space while the signatures of dimensions per higher spaces at quantum decoherence have that same quasi phenomenal smallness... such that in their cobordism each case finds the other dual...but the actual indication of difference may allow the difference but vanishing gravity now given over to a combinatorial mode of categorical thinking...the noncommutative flavor of the quantum as it were lightly reimagined...

Supposing one was to make a kind of Coxeter Dinkins mapping of the Primes where each successive is a dual addition on ends as symmetrical addings of primes where one is counted as prime? To do this I would first orchestrate towards recognizing in that regard the unique prime two as a mirror structure of one to begin with so count one as a kind of pseudo prime and the generation of three is a string of two in center and the prime blocks on each side are one square to generate three as the natural consequence as one makes the graph one squared plus two plus one square… There is a faithful representation limit that occurs where three is cubed to formal unity as the recognition of one and as 81 is in reciprocal 1.2345679 as a limit of which are contained the primes 2,3,5, 7… and on the drawing I am working on so far the generations which follow in creating these graphs show a pattern of composing the faithful representation sequentially to those terms and then these as the graph determinates in their succession where primes are mirror faces on the

Diagrammatic…therefore all in all the general theme of the drawing has followed relating the information that is low key in the decoherence quantum relative that which limited in the collapsed state but realizing the collapsed wave is read by an environment itself quantum the interaction is a turning or tropai, seamless like the 4 dimensional inside out basketball such that in the dimensional choices of the string or fermionic dimension relative the bosonic of the collapsed the string dimension suppress or have very slight gravity which although possibly blowing up upon world sheet are in the decoherence lightly planted from which perturbation might create conductivity or in turn be damped the lightness of gravity in the string dimension and the lightness of dimensional imprint in the decoherence then

duals somewhat analogical then to AdS-CFT but structured to an exotic state of differences controlled in a distinct combinatoric which include the prime number structure in relating quotient spaces across the structural complex on the number line where the difference between the square root of two expressed as .707 or as .708 relates the latter as a derivative of the golden section and .707 as relating to .101 or the square of the reciprocal of Pi, in essence one may locate to Eulers number in reciprocal .3679 and square .606... there fore relation the golden section, Eulers, and Pi as layered into the primes as the relate to extending their base from .81 at origins of primes per three to the third and ordinal tract in reciprocal 1.2345679 enclosing 2,3,.5.7 as a structural group which extends the primes

which on our Coxeter Dinkins like model are symmetrical in a growth pattern one can recognize, and this then to repeat has embedded the relations in complex mode relative variation on square root of two and then those structures in the super algebras as they surface reflecting the golden section, Euler’s, and Pi….



367r4

Where say medicated of necessity in flight with uncertain results on landing per available atmospheres of landing potentials review in like light that:

Just as light in vacuum a singularity a space elevator to moon would find Einsteins Apple suspended at different levels till landing on ground at terminal....each level analogous to a string vaccua in turn per those cutoffs of 10^500 probablistic limited in quotient

space...has counter part in Einsteinian space of ultraviolet cut to Planck..string correlating weak signatures of dimensions to world sheet and String space to that World Q is in itself found weak gravity to its phase space of dimensions P...

https://x.com/EVangorder15570/status/2046813920208343106 is article taking numberline as a kind of space elevator subject to a gravity wave of slight differences in square root of two which may find a quotient space analysis of primes broadly comparable to Monstrous Moonshine bridge between particles and Sporadic groups of previous project.

Relating Higher Dimensions

Question 1

VonNeumann said to “look at the determinatives”… and in so doing his pointer theory brought a great deal of quantum availability to analysis by higher dimensions… higher dimensions as anti intuitive can be understood better via the very idea of quantum flux, wavicles which have a resonance we read. Formally this involves the Higgs mechanism and the arrival of a particular vacuum level and how this orchestrates in full complexity. Thinking of degrees of freedom how does

one determine the difference between the choices one has locally and a full scale determination of such and such an actual dimension?

Question 2

Our cat in airplane is necessarily medicated and on landing the atmosphere locally relating to medication may have a lethal effect…we don’t know exactly what latitude we will land in because things got crazy…is the altitude we land in or the atmosphere level we fly in the equivalent of “dimensions”?

Question 3… lets say a dimension enables a particular and locally complete extension of means what is the difference

between up to an isomorphism and up to a homotopy?

Question 4 if we say the topology engendered are extra facets on the crystal dimensions… string compactified dimensions, and Riemann topologies seem to mean this… how so?

Looking over the answers physics gives us the answers seem in the pattern of for example the cut off point for Einsteinian physics at Planck level to control exponential infinity and the fact that string dimensions which model quantum fluctuation fields in their overlapping variety compose limits…that is the choice of a constraint is one way to think of it but that is obscurant to the subtlety of higher

dimensions suppressed to the world sheet which can be motivated or suppressed and the slightness of gravity in the string dimension which likewise arriving to world sheet does not necessarily blow up because both matters involve the probability of outcomes which obscure or strain a full cascade. These are operant, they can be made conductive or damped from their “weak” signature, as probability has weakened them…The string solution represents then not a sudden leap into eccentrically proposing all kinds of mayhem ideas about interrupting normal experience but rather the formal distinction of simplest bosonic

constraints, whereas the world sheet itself of 4 dimensional “normal” reality harbors the exotic fine signatures over differentiation on thus to the bosonic the fermionic which returns us to origins in the Higgs mechanism where vaccua level choice states potential as phase developed between vaccua transition on endowing the difference as mass. A Dimension then is an effective distribution which damped or made conductive nevertheless endow its own particular compact state to lower and higher algebras… String theory is with 4 dimensional reality the possibilities of relating even covers as in string, or inverse of algebras to reciprocals as

differentiation modes to normal 4 dimensional reality , where the string dimensions have weak gravity and the world sheet has weak dimensional signatures, and these interact in a wraparound kind of way one can develop.

similarly, I think, you could take a y-cleft sign and inscribe in each open area a polytope and keep going around increasing number of edges , but at any given, somewhat in the spirit of the "geode" you could decide on an arbitrary number of sub algebras so to speak ie sub gons grouped... and these could be indicated without even sides similar then in result to this?

Priming the Primes

One could create a coxeter dynkins like mapping of the primes by showing each successive prime with two mirroring primes in sucession from 11 on... the first group of 2 through 7 require allowing one to be a prime... one reasoning might be that three primed to its own degree as 81 and unity is in reciprocal 1.234567_9 and this ordinal tract then isolates 2,,3,5,7 in a pre-space so to speak ... following this then ones sees seven through 11 have two as counterfaces...from 11->23 the pattern reverts to one counterfaces in a sequenc of four repetitions just as the primary initial group 1->7 was... then 23 through 27 places two groups of two

counter face and two groups of one, and the next bracket through 43 give one group of three and three groups of one these two groups then defining a two face to two one faces and a three face to three one facings as their order....the next group 59->67 is three members and group of three face twice and one faced once.. and so forth... there appears to be a kind of organic growth pattern...

https://x.com/i/grok?conversation=2047066901314936863

As particles experience fields are these all simultaneously graded in to a particles composistion as subalgebras whos determinates re-order in a sense ?, and does a aquantum wave as encountering fields, forces and objects create those collapses and decoherence as them selves a kind of superposition and of probability itself a state of super vision where ultimately the quantum wave meeting a quantum environment occasioning collapse/ decoehrerance grades this exotic tropai or turn of events in that modell similar to the inside out baseketball model of 4 dimensional space a prompt we can take to the idea of

a torus, roughly analogous shall we say to the Big Expansion where here it interests me to take the center as like a circle with a y-cleft or peace sign like shape which similar to the skeleton of Calai Yau can model three dimensions as they effect essentially the modelling of quantum numbers.. and in those clefts as like the “cages” of dimensional reduction and considering the “all possibilities of particles “ settling into a quantum state then as many dimensions ...does dimensional reduction pertain in this case to the gain loss non commutative aspect for one thing, but which , if the distinctions of the cages are considered like lacings of the d-brane in a kind of

primary example, that example then would be to make each cleft either Pi,e,or golden section (as all embed in each other) and the circle represent i, and the shifting of its'permutations.

We will say those trnanscendtals are embedded as Eulers is 1.1 plus .618 and 2.718 in reciprocal as .3679 times 3 is 1.1 and .3679 squared is .606 which is unity plus .5393 where .5393 is three time the golden section module .618... and .606 and also .707 square root of 2 both relate as multiples of .101 which is the reciprocal of pi squared...approx. or pi itself squared and this expressed in reciprocal... if in this case the torus rings and dimensions added have those

dimension or interior arcs on the torus in slightly warped forms would this then compare to a furtherance of say dimensions modelled at outset in the Y clefts such that in each space might consequetively have differenent polytopes like and irregular spider web of regular forms, whereas then as these become warped and filled with multiples would this become more like the “geode” and thus a kind of static now , similar to the big bang radiation?sorting this static then would be the combinatoric which one would have to devise over dimensional analysis…I suppose this is proposed as creating a kind of normalization over a proposed infinite

horizon which is managed by relating an expanding base as in a sense marking it and allowing a normalization Principle?

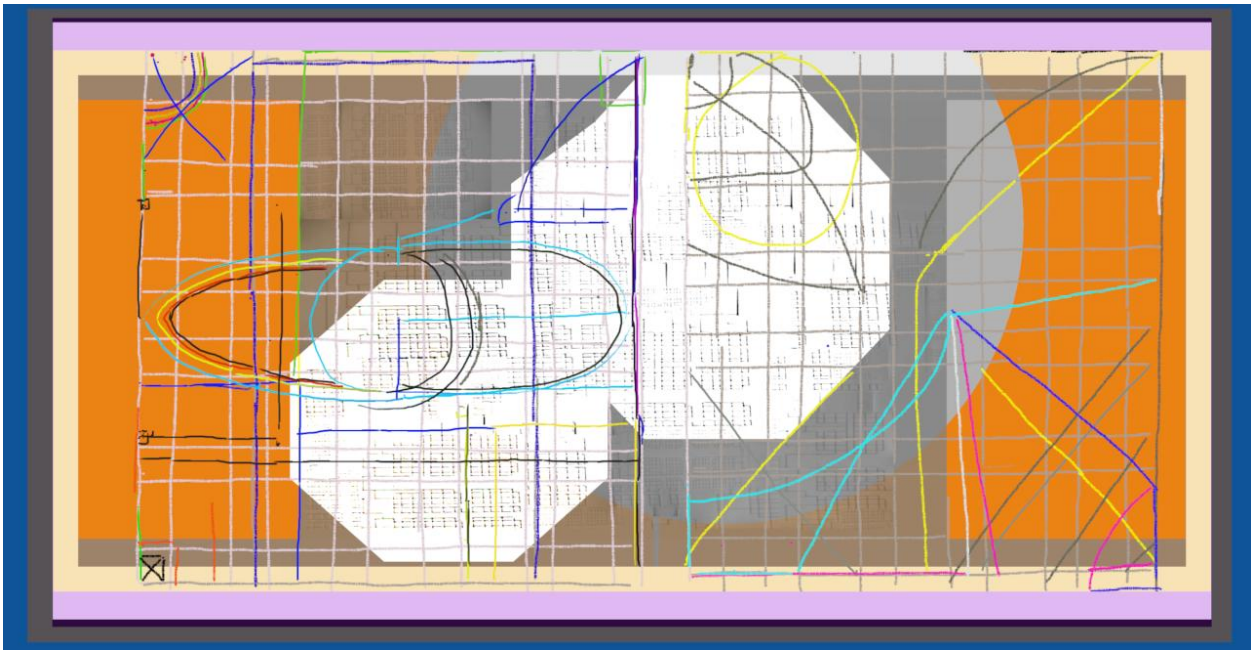
Summation

In this drawing there is structuring over a torus with contouring which represents that manifold considered cosmologically as it were in expansion with degrees of the golden section grid as it's finer spiral motions or weak signatures are considered as also embedding pi ,e, and circle representing as these transcendentals are marked also to a y-cleft symbolizing the three dimensions which of themselves embed into higher dimensional outcomes as represented in Calubai Yau string and also the discrimination made which structures the quantum numbers as their effective resonance. The modelling of the grid

models its idea in the following way... the history of the mode has to do with my creating a Hermitian Golden section grid which analyzes by ratios, ie a normalized approach from out of my art to art and language background through architectures of subject matter. As it turns out this grid assimilates a cover of its surface to .0156 which the same as the Planck thus it meets the normalization of physics at this representation of a transcendental and pi and e embed... this triad then are as it were avatars for parsing dimensional projection to resonance. Such a matter of choice belongs to string theory as non perturbative while also in relation to Higgs

Mechanism as perturbative, that bridge traditionally being AdS/CFT and the dual which interestingly meets this is relation of quantum collapse and decoherance the form relating to Higgs Mechanism and Latter to String, while basically the values of the three Hamiltonians, ie kinetics, spin and phase are a triad one may relate to as underlying... the quantum wave which collapses into a quantum environment then is like the inside out 4 dimensional basketball...the Hermitian grid relates to the Unknown Hermitian conjecture which is searching for a passage over complex space and in this case the sought for transcendentals which as reals fulfill are engaged in

triplicate... also behind the endeavor of course was a previous project the Monstrous Moonshine Bridge which is a solution sought for to bridge the particle groups and Finite Sporadics, which I solved by finding the golden section determinatives of all the particle and all the sporadics... what also interested me was to propose a kind of Coxeter Dynkins graphing of the primes such that then each group is the previous prime plus two symmetrical primes, and the first group 2-7 require relating 1 as a prime... this drawing then takes these ideas and sorts through the spectrum linking their interests as it goes along...



367s9

Where:Quism references quasi isomorphisms and Floraison references Floer cochain of weak signatures meaning an overall bridging of subalgebras in a winding toplogy

The drawing sources the triad of embedded transcendentals Pi,e, and golden section as characteristics forming a homology to dimensions and differential grading indices and topos... and a link is gradient potential to the oposit of characteristic zero namely then primes for which I give coxeter Dinkins like graphing indices morphology in construction approach.

With triad of golden section, pi and e relating to characteristic zeros of Reals and Complexes and with also a link to the Plank at grid value shared .0156 stabilizing the plane.

Calabai Yau Hopf Fibration Connection...

Pointwise Holes, Knots, and Particles to Machine Learning the String Effective Present Space Co-Incidence of Measure.

The Art of the Line on the Sheet

more properly the quantum wave encountering any material object or force is continually being measured through these as observation where always the quantum wave meets also a quantum environment thus of necessity a kind of exotic wraparound also involving the distinction between collapse and decoherenc where the latter, similar to Higgs Mechanism sorts as a bootstrap and the latter is more string and potentials in all variety exist to that probablity which is itself in superpsosition... upon which, that is both cases, weak dimensional signatures and weak gravitational relate the categorical and combinatorial review over potential in defining to perception or conjecture towards potential the full array of studying out the meaning of degrees of freedom

Turning from Bernini;s categorical sheaf of arrows in the extacy of the saint to a painting model on

The Art of the Line on the Sheet :

Where the string dimension as world sheet and Einsteinian 4-d the world line the model of painting as mapping to the surface with line as a surface link and like tones comparable shall we say to Betti holes or knots in Calubai Yau where Calubai Yau are infinitely dense and continuous in transformation present to 4d world the Categorical Review of String then is that string theory predicts in conformance with other theories and adds deeper focus and clarity reslolutions and predictions within those theories. As not independently proposing new predictions outside of them its theoretical space compares with the measure status of say also dynamic space of proton

where in fact all measure are co-incident and make their objects abstractions of measure, measure being in fact the supoerposition of probabilities...therefor both string and Hamiltonians are as functors and bridges within the Categorical Amplitude to which they add clarity via their winding numbers, the integration of potential states. The opositions which grow from Einsteins observation, a small amount of mass to a large amount of energy and vice versa are the model of these mirroring modes that find information clarity in their co-definition...Therefore it is the use of inverse thinking, using the codefinitions towards deeper clarity which motivate the better endeavors. String theory and formal measures alike work together for example as string generates machine learning.

Designer Noise: just as there are laser tweezers for atoms could there be a kind of lifting of weak signature resonance phonon like which not corresponding to a known particle but as a quantum ripple seeking a material observable could one then Taylor like build atom by atom such a corresponding materials as the prediction particle?

Designer Noise !

The Polynomial Says the Glass Never Sleeps: From the Informed Particle to the Informed Substrate and Beyond.

The Jones Polynomial looks for missing information, an idea which appeals to me in the spirit of inquiry John Cage once suggested:” if you can’t find the answer change the question”… I might ask for example just as there are Laser tweezers for lifting atoms to build a surface material one atom at a time could be a kind of weak signature resonance phonon which not corresponding

 to a known particle but as quantum ripple seeking a material observable could one taylor Taylor like build a material to fluctuation correspondence… I ask because

doing so would show analogically how string theory in this case could be said to “predict a particle” beginning from the irony that by the quantum flux there are multiple throngs of them simply unattributed to a substrate observable… It turns out that as a matter of fact this is currently cutting edge technology accomplished at MIT.!

In this drawing I branch view Duchamp’s Glass as a study of enigmatic cobordisms prompted by the astounding mobius Glass class so to speak of the technology mentioned in that also ,the Mathematics Duchamp in a title refers to as 1. The Given and 2. The Waterfall are Surreal and Hyper real mathematic which respectively indicate infinite and finite mathematics and thus a kind of Klein Glass view on the fabled 4

dimensional basketball turned inside our (we can update as relating quantum wave collapse and quantum wave decoherence as per wave and environment both quantum and carrying probability itself in superposition correspondingly being our Klein Glass return on the inputs)....I like the way the black lines found their way into the drawing in various degrees... they relate to the dots where these become a counting of the angles in which a phasing has been generated by the Y-cleft in the circle center and those branches each modelling fibrations from these cages where the transcendental Pi,Golden section and Eulers number form their indications towards gradients. The square root of thirteen figures in the composition in that for my purposes the primes are considered the opposite of the

quisms or pseud isomorphisms which fashion the subalgebra motions of Hopf fibrations per my drawing placing in the ycleft as symbolizing Calabi Yao string dimensions branching in that triad formalism... and while the primes can be considered relative a grouping motion in quotient space where there pattern is elusive I find for my purposes that I can use a kind of Coxeter Dyinkis Graph and if counting one as prime initially through 11 then primes will be one such prime with symmetrical faces of primes, for 13 of course a double set of threes to center set 7 (most often they will be simple opposition so this is an example of an exception) and the square root of 13 as 3.606 then relates to Euler's as that number in reciprocal is .3679 and squared is .606 which is in reciprocal 1.5393 where .5393 in reciprocal is 1.854 then three

times the golden section module... The center transcendentals then relate to a neighborhood of golden section derivatives which work the wheel so to speak...3.606 to negative two will be .6832 and this times two 1.3664 where the complement of .3664 will be .6336 that number three times .1056 the gap between the square root of five twice applied in square and times three = .3168 close to reciprocal of Pi... and doubled is .788 the square root of golden sections...unity plus .788 will be in reciprocal .5793 and this added to C in reciprocal .2997 will be .5793 this times four 2.3168 or square root of 11 and .618 minus .1 as .518 will be 1..927 where that number doubled is .2.854 reciprocal of .35 complement .65 which is in reciprocal 1.5393 where .5393 is in reciprocal 1.853 or unity plus three times the golden

sections module and .518 is as 1.927 also sum of .6336 as mentioned plus .64 and 65 where .64 is 1.56 and .56 times four .7854 which times four is Pi

The counting function of integer boosts and integration then as a kind of cloud of the process creates a framing of some dimension chosen to relate the combinatoric in a geode mode…extending the fibration bases and the interest value of a surface relative point where one might relate a variety of symmetries to a point coalesces with the Calabai Yao infinitely dense matrix where the Petaling’s and flowering replace space between with transformation modelling sea quark space…

Framing bundle or jet like projections as splintering proportions from edges stands in

contrast with also the representation of DeMorgan like orthogonal recursive mode... and graphing these on edge of composition or on diagonal states the case of the world line versus the world sheet and the two as a kind of drawing program...

Ephesian Physics and Categorical Goedelian : the Boson and the Bridge CY3 Einstein to String

Goidels premonition of an uncertainty clause in the mathematical cosmos highlights perhaps there the meaning in Greek of cosmos as meaning whole...with a peripheral vision then on string theory the relation there to the bosonic whole

and area world sheet as normalization scheme forwards of proportional vectors contrasting then in the relation it has within category theory meeting that paradox of a binary associated structuralism with directions of fastest increase towards vector space as a need for a topos mechanism organizing thus gain losss of non commutative stacks via critical point emerging in referendum across a general bridging principle (which like the Jones Polynomial encounters missing information as constructive knots and holes so to speak) by modelling a paradigm aptitude of distinguishing chain mapping of isomorphism to coherent advance over derived categories

substituting partial equivalences for binary wholes as scheme. of syntactical strings. ... as come to a head at what I once thought of as a kind of very deep encyclopedia of symmetries which could be in the nature in full complexity of defining towards a point... or as Heraclitus put “to distinguish each thing according to it’s nature and telling how it is” the subtle structure of the intent of that Heracitean fragment then manifesting in the infinitely dense Calabai Yau matrix corollary to all points in 4 dimensional space of which these forms petal out in continuous variety and are the string formulation of sea quarks in that regard. There is in the art paradigm

one can draw relating the world line or particle linear knot to the string world sheet which is the world of area proportion and in which knots passing through dimensions do not sustain as in the 4d tract but unravel in passing... which is Michelangeloesque where his adaptation of Ephesian architectural stacked orders (Heraclitus depositing his manuscript in Ephesian library and Michelangelo being used as the model for Heraclitus reputedly in the School of Athens fresco)...gives a linear order of sorts between the struggle in the block per his sculpture, the unusual use of the stacking order in his architecture (it breeds a sense of metamorphosis) and

finally in the Last Judgement a subtle use of that order in the apparent mayhem… one contrasts this then with Rubens skyward and down compositions which have those earth to Celestial components but not the secret architectural ordering which is as it were an early mood of what we find in Category Theory…

Designer Noise: just as there are laser tweezers for atoms could there be a kind of lifting of weak signature resonance phonon like which not corresponding to a known particle but as a quantum ripple seeking a material observable could one then Taylor like build atom by atom such a corresponding materials as the prediction particle?

367t5

Notes From LaniKea

Winding and Nonlinear topos of Physics and Pre-Spaces of the Conditions of Experience: Transitive Verbs, Phase and Phenomenal: Category Theory Indices on Groupoids:(Partial function replacing binary):

“as they step into the same rivers other and still yet other rivers waters…”....

Heraclitus

A survey of papers taken into this drawing may situate a matrix : concerning relations of classical to quantum physics, higher topos theory and abstract algebras, systems and concepts of

points,”quantum jamming”,infra red spectral gap, visual model of our local universe (Fluid Riemann -like flux),linearized 4 dim gravity, and knot theory

What emerges from these contexts is a sense that an exotic winding between wave collapse and wave decoherence place a Geodelian non equivalent mapping of the levels of inference within reference, immersion and submersive aspects over leads on otherwise the some 300 Sanskrit’s drawing verbs forming AI vectors we might loosely relate as well to group theory and representation thereby.

Here is a prepatory note in that direction towards a developing interest in relating knot theory over exceptional point and also decoherence in quantum and higher topos to a variety of possible combinatorics but here in a simplest beginning of project:

per this drawing three transcendentals and the primes are related to three dimensions as covered by time in which the transcendentals are embedded and relate as non linear potential ordering of higher dimensions... as the drawing very simply relates alternate multiplication and division on fractional scale the multiplication states the image function or local ration while division stages the

comparison outwards to global ratio... the Lorentz transform has some analogy as the drawing prepares a function relating the reciprocal of the speed of light divided by the reciprocal of pi and this as 1.056 carries a very specific cascade...

Notes from Lanai Kea Diary

My interests are to relate a Goedelian mapping to Category Theoretic which relate syntactical strings to Dbranes on cy3 manifolds as object in category of coherent sheaves as isomorphism on chain map of homology of induced groups ie quisms ro quasi isormorphism as broadly modelled between QCD to the 5d gravitational brane post 4 dim Wilson Loop level introduction on extra

dimension//: and between wave collapse and wave decoherence modelling string choice of dimension and bosonic motivation at decoherence there being as in contrast to wave collapse fermionic, and being boot strapped forward Higgs mechanism where the string dimensions have weak gravity signature and 4d weak dimensional signature as in the opposition of wave collapse to decoherence. The former the weak signature of dimension then and latter weak signature of gravity.

Why a Goedelian mapping which indicates a need for a given system to complete itself by reference to another ?... That is in verbal terms a transitive

case of the verb finding its objects as in the mixed state quantum versus pure, but in the pure also probability itself is in superposition… between quantum randomness and 4d chaos random/chaos we can find a probabilistic outcome in 4d world isolate as an invention upon intervention but of course randomness by definition has no such order… there fore an exotic cycle of wraparound structure emerges… in the drawing I use three transcendental as analogical to three dimensions over which they parse partial combinations as the structuring forward of category theory where such partiality displaces binary approach as a kind of representative mix

by default of strengthening connections in the formalism... the topos which advances through these then are substituted for what previously might be thought of as VonNeumann algebras, sub, super, and prespace....and so to review how this exotic wrap around bonding partial representations to their effective wholes in a topology that has winding character but also may be non linear: there is a logical syntax where, word, dictionaries, atlases - frame the logical string (Turing scape) and its faithfull representation(as logical pre-space of the functors and monads to Topos addressing Category theory coding. Dimension and polynomial length

interpreted on the string side as vaccua and 4d side a proper topological index...

To summarize we can say Category theory replaces binary modality with groupoids via partial functions towards a topos of quasi isomorphisms i.e. chain complex relations and a homological symmetry which are opposed to Primes for which these then have a Dinkins mapping like symmetry out of the primary Arithmetic principle modified to place primes as mirror facing primes...

The subspace for Category theory then is a return to verbalisms one may deconstruct first to Turing and then to Greek choral arrangements to Sanskrit artificial language origins towards rhetoric

and then maths as the indices over all of harmonics, interpolation, interpellation, substitution , grouping , phasing, representation, voice, atmosphere ,arrangement course and action in the general review of contingency and exigency...

The N-dimensional Chess of K-dimensional arts and sciences thinking renders draftsperson in name the idealization of draughts as the early word for chess and in corporeal event the Greek drachma coin of the realm in all that drama... Turning to physics Heraclitus initiated the advent of entropy as an idea born of the word “tropai” or turn, so that between contingency and

exigency the groupoid function of partial functions displacing binary through a kinetic threshold in potential energies we recognize to transitive verbs as model on the 300 or so Sanskrit drawing verbs which were multiple strings to the bow and attunements to the Lyre between the witneses of the bow and the lyre… just so Duchamp gave the”occulist witness” a hearing through the witness of the Large Glass… the drawing verbs then of the Sanskrit Apuranha or net and Purana bow floated on Arana or breath of air give the original idea of syntactical strings and even faithful representation. Ingres observed of the pencil it gave him “draft” meaning a flexibility which is underscored

in the word “skhar” as a recording rhythm

…

In this drawing I take three transcendentals related to a spatial indication of a Yclefttt as a tuning mechanism into the Hermitian golden section field itself from the point of view there of a relation within the golden section to its sequentially ascending or descending unitary bi- ratios as bit like forms then of normalization (because within the one of 1.618 you can store a fractal determination or collection of determinates in the graph tuples or differentiation structures including DeMorgan and Gnomon like vectors of process) and considering then the

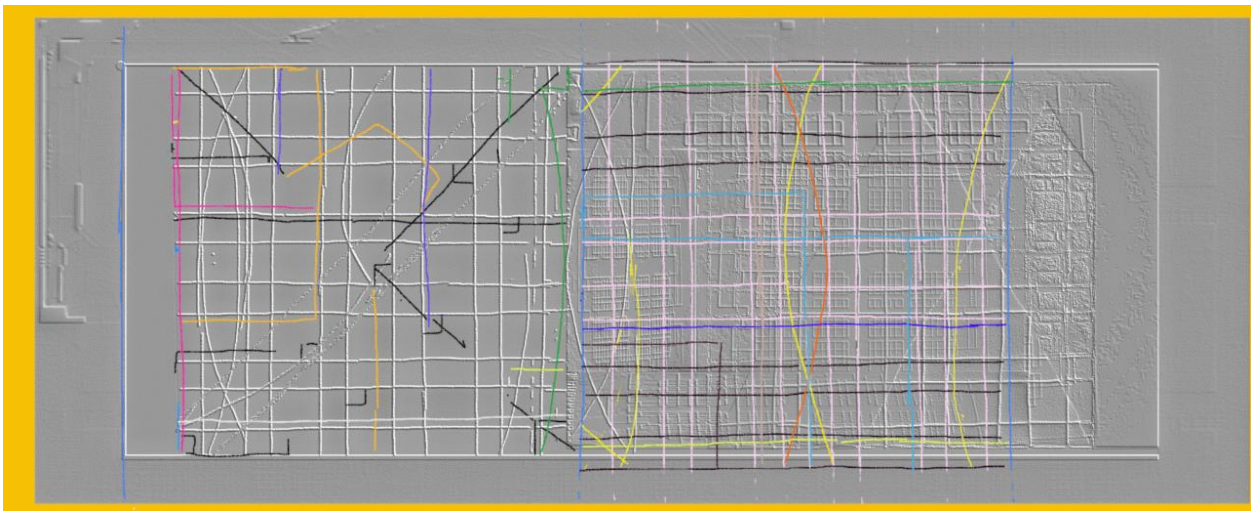
relation of normalization to renormalization ie infra red to ultra violet cutoffs... an interesting procedure then is one of the very simplest... to alternately pose multiplication and division over a function to study the localizing and kernel like identity of the tuple in relation to the globalization aspect fo the quotient space and this then related to both primes, and to quasii isomorphic forms in the Category theoretic aspect wherein quasi isomorphic forms are prime- like, one might say here a priming of the primes in the context of a quasi-isomorphic form in those category theoretic terms as essentially a substitution of partial for binary operators where one is factoring as

it were “words” standing for a group of operations which themselves may be edited then like numerical factoring per se… Another level of interest then pertaining to prime analysis is to use a kind of Coxeter Dinkins like graphing which (allowing 1 as a Prime for the first group 1 though 11) show each successive prime with symmetrically facing primes on a previous producing the next, and this in a way is a corollary on the Fundamental Principle of Arithmetic..and in this case then while usually these are simple facings occasionally such as at 17they are double, and in this even become psudo isomorphic which on one level is a definition of Not-prime… in the drawing

then I have related this particular number to also permutations on .101 where that is approximately Pi squared and at seven fold of course the square root of two but also at six fold in particular .606 is the product of Euler's number in reciprocal form .3679 then squared... along a diagonal then I feature .101, .303,.606 as tracing over the same diagonal which can be described on the square root of two time four the square root of 8...and I build over this center a bifurcations where a Hamming box which identifies nodes on a unit cube marked to base two indices which then gives a kind of three dimension version of Pauli Matrices- which I then skew along that diagonal

spreading it out in the total space with a backbone then of the diagonal which is the square root of two marked to its relation to square root of 8 and finally overwritten with the.101, .303, .606 progression which is the progression I alternately divide and multiply… while also feeding in a certain amount of gain loss information so that one may look into the capacity of normalization as featured also to renormalization… and then in regards to this there is a fundamental substrate: the golden section grid which can be covered by one of it’s derivatives .0156 and this, the square root of 64 (where .64 = 1.56 and .56 time four is pi while the number .1056 is the gap

between the golden section twice applied in a square....) finds .0156 then the ratio of the simplified Planck, then relating the macro level of the sheet to the micro value of the Planck ... In relation to this then I create an operator 1.056 which is the value of the reciprocal of the reciprocal of Pi divided by the reciprocal of C speed of light.... And the .0056 denominations etc relate to the numerical orders on the Hamming structure as they are divided tenfold... while again the Higgs boson is 0.156 to it's metric or .0156 times ten...



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I know that there is a kind of combinatoric shuffling which occurs as six crosses midline placing there a different ratio to the center at advance of a unit than is from the original unit to five…and because .4086 the reciprocal of square root of six, the projection next becomes analytical continuity and one is reading in reverse order on the original diagram because the square root of seven is the gravity of the center line in this sense and because the square root of two times four is the square root of eight the order resumes as if at the square root of seven the unit ball played the part of an affine projection?

What is Geometry is a question worth asking in the context of relating words to numbers in a Turing machine like context: programs, algorithms or physics direction to measurement ie although Euler Mescheroni is only slightly off the square root of three in reciprocal, as measure over physics it would lose accuracy in extension if phased as square root of three there fore numbers as instructions in the algorithm which can be embedded in log form present this complexity of instructions linked to say normalized ratio ideal or a scalar active detriminant and the morphism then in a sense will collapse one category into the other. Gamma then would be a kind of Turing machine graduating from the discrete or more number like model to the word that is it's curve...therefore between physics and math the codefinition between word and number if not clarified result

The Euler Mascheroni theory at .57721 is only .00079 off of the square root of three but as a scalar differs from the simplification if extended large distances to significant degree, the difference being in it’s structure… however many constants are quite long and I believieve sometimes simplied in use? There seems to be a categorical difference then between the constants as being a kind of “word” as opposed to only number… how does category theory track this difference and define local effectiveness and the record of tractablility developed in such a

way as to distinguish between world and number... is this a version of a Turring machine? As the curve relates the areas it comes closer to refining how might this relate to information stored in a logarithm as algorithm in other words the unitary aspects of the golden section module can place then into each unity factor a different algorithm or even algebra... does this dichotomy then have attractor level resonance on the difference between word and number as in the case of physics where verbal identification to materials poses a class identifying reality itself to concepts of the physical and these determinants then relative the compositions of their measure stand in

tension with yet deep references to higher dimensions and degrees of freedom marked into composability and determinants?

Words/numbers//: tuples return image, jumps>nonlinear...calibration, scale change...mathematical discontinuities vs.algorithm directions /scalars constant physical/ mathematical= change in domain...Turing machine between mathematics domain of inference potentially vectors and physics Constant as calibration

The relation between word and number in the categorical sense exist in say a physics constant such Euler Mascheroni which although extremely close to square root of three needs to used explicitly or scalar invariance will multiply like chaos theory diminuatives, therefore an algorithm with such instructional content contrasts with numbers who relations to fields, graphs and representation live in the world of potentials between the explicit content which lives in a world of callibration and the category theory relations over pure and mixed states on the other hand locating tractability to the

concept order and entrance on higher dimensions and their effective signatures... the word of the algorithm is a syntactical object in the calibration sense. on the other hand the morphology of potentially combinatoric thinking which generates measures have then a syntactical element in the guiding the topos of sheaves and structuring over partial orders relative binary (like pictorial cropping in a sense) or then again exotic dimensions here approached even as the number syntax collapses into the physical as likewise similar to a wave function into its environment and hence decoherence on the latter case we see the syntax of the quantum relation to chaos and

randomness and in the algorithm to number there is the whole potential to embed the algorithm in the logarithm. ..

The process could be compared to a Turring Machine(as indeed could Gamma)...

Feynman’s Pin Number and VanGogh’s Turing Machine Explored

Here in the interest of positing physics and mathematics as a kind of Turing Machine note at outset V.G’s interest in camera obscura as foil for his one to one identification of painting strokes in expressionist sorting as a lemma on also his reputation established not initially by his paintings but Theo’s widow publishing V.G.’s letters after both brothers deaths and the public interest then allowed her start creating exhibitions of the artists work, this coinciding with the salon like entry of the 19 century architectural models of public spaces becoming representational in a more mal like way

thus the painting “gallery”… in a sense then his writings and paintings were a kind of Turing Machine between the identification or dictionary of interests in the “word” of the letters and then again the algorithm or input to output of his directed painting strategy

Turn likewise then to the simpler project and consider computability from the standpoint of the vested interests of physics and mathematics respectively. It would be a fair warrant to propose that structure of a number such as Euler Mascheroni constant which is very close to the square root of three is an algorithm because the set of instructions so to speak requires the exact constant, the

tiny difference from square root of three will explode out over long distances...

On the other hand Turings thesis compares two systems in which one can duplicate the other ie the Universal Turing Machine (and its relation to Russels paradox and solution-wise- category theory sorting to combinations of partial to binary operations)...

Therefore with Physics the Algorithm and Mathematics shall we say the logarithm we can turn yet again to Feynman's pin, ie his proposition all knowledge in world could be placed on the head of a pin ie an atomic space of computation... The two systems of computation propose a possibility that there is a physics

cosmogenesis and there is a number line cosmogenesis in which the physics plays the part of numberline and the computer step by step action while mathematics plays the part of perhaps logarithm but also different sortings... leading to an observation on our part that knowledge itself seen from the vantage of the Goedell Incompleteness theorem and Heisenberg Uncertainty and Turings Computability Paradox(the machine is not aware of limit finality) are all essentially realization of a brane between the known and the unknown as complementary states always in present definition and....co-definition... Entertainingly then and turning for a

moment to Goedel,Escher Bach, an Infinite Golden Braid and the fact that a mathematical braid refers to equivelance classes one could in the spirit of Feynman propose the golden section allows constant reference to a recursive space namely the normalization of the unite square which controls the spiral in diversity...and into which this space can act as a bit for information and weak signatures....

There is moreover a reflexivity in the number line crossing midline where for example in LeGendre's square root representation the square root of seven needs to become complex, and there is a shuffling of amplitudes as characterized

in Adams spectral theory which realizes towards hom set morphing. This sets the stage for requiring physics to recognize the advent of higher dimensions and a preliminary introduction to a cosmogeny of the numberline but for simplification the matrices of Gelman and Dirac help to introduce the subject more familiarly.

There fore equivalency classes in a categorical theoretic study may be embedded in that algorithmic construct which is embedded in say the logarithm where the numbers computability is in a word dimension so to speak of instructions per physics, and in logical string syntax in the mathematical dimension of which string theory and

Category theory are a tight equivalence class.

I wonder if like the electro weak split one could say there was a split between randomness per se as in pure quantum and chaos per 3+1 probabilistic dimension where space as random at early lost microsecond position become twisted to energy levels spontaneously generated a time dimension which screened randomness imperfectly leading to gravitational regroupings

between scalar and dimensionless potentials..?

Spectral Divergence and Splicing

The drawing considers renormalization and normalization linking finite to infinite spectra from origins in early universe which might have posed in the manner of the electro weak breaking also a time like dimension or time crystal splitting from a space like twisting of energies at lost microsecond... this motivating between quantum collapse and decoherence the differences in reading probability in quantum randomness at wave collapse and decoherence posing of a swampland linking of binary and nonlinear reading such that in the calibration reading of Constants and their optimization statistically the embedding of algorithm

withing logarithm relates word and number across physics and math.

Dwg Program

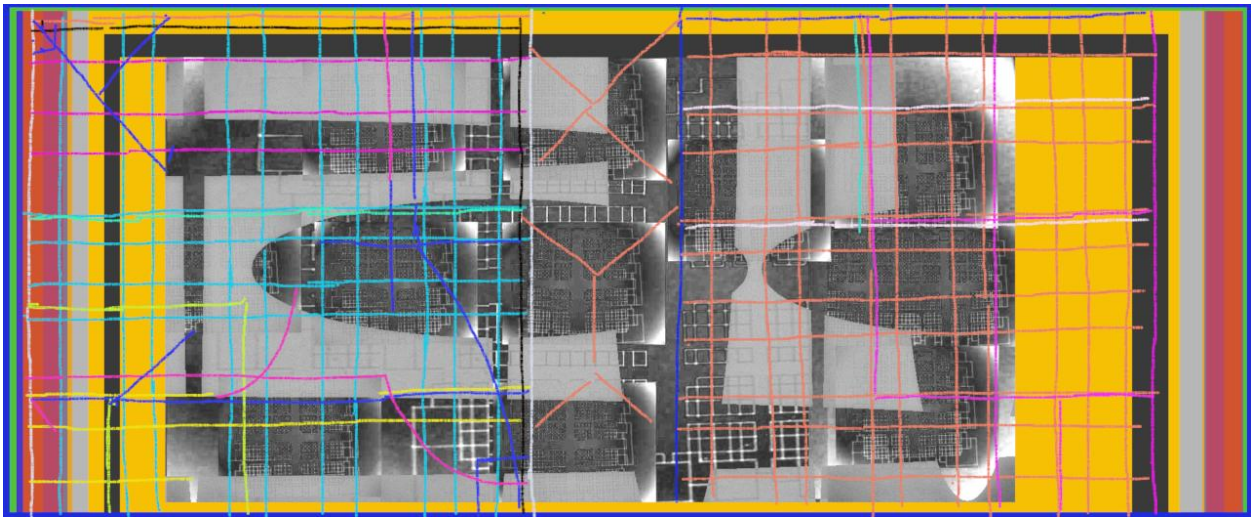
Transcendental layerings from Ycleft diagrammatic//.0156 morphology/ 6fold tractablility/ Log__>algorithm/Pi, pi crystal/Dynkins map/pseudo Pi/Pi quotient space/word/number Category Theoretic over Turing. Ratio/Scalar.

This time a series of drawings,...

considering normalization/renormalization/ultra violet and infra red cut offs how, in relating difference between chaos and randomness chaos/randomness regimes and looking back to cosmic origins is there then theory to the effect that at

collapse of quantum wave meeting also decoherence as weak signatures on dimension and gravity from duality are there become strictures in the probabilistic chaos regime at macro which have swampland shall we say relative constraints on the reading between chaos probablity and source in Randomness which might pertain to split between the two rather like the electro weak but staged perhaps between a time crystal time dimension and lost micros secend energy regime which has spontaneous reordering on its lumpiness posing then a binary tension over vectoring in effect the time crystal directed into tensor world with

corresponding tensions between submersion and immersion, linear and non linear effects influencing the relation between potential and phase?



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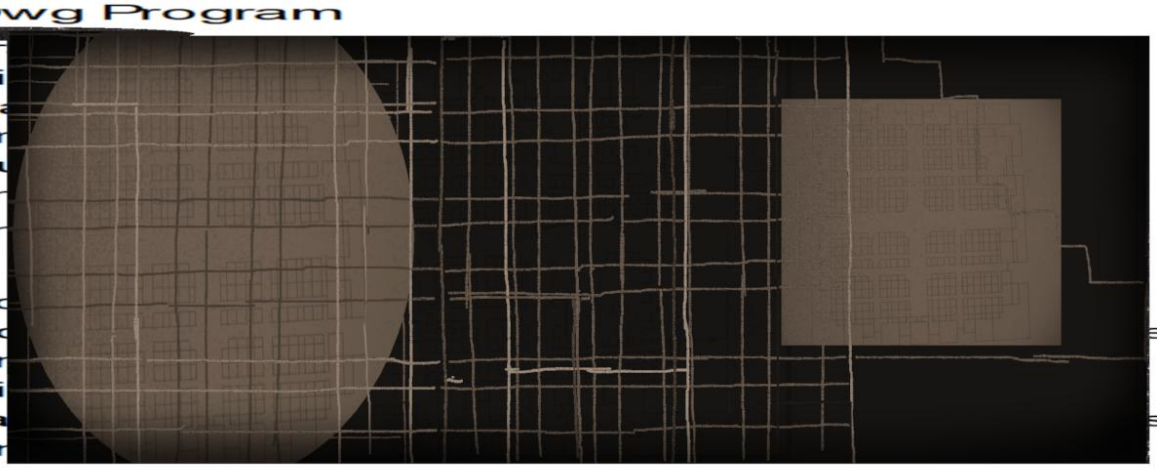
Dwg Program



there then theory to the effect that at

367z2

The Diagonal Between the Lost Microsecond and Caravaggio's Memory Palace in the Chaos/Random Equation

Whereas in our familiar dimensions up to and including quantization and also quantum nature energy is contained to quarks and gluon with orders motivated by encounter with dimension there is, going back to origins at the lost microsecond that lumpy domain of pure energy which twisting on itself spontaneously creates packets... but considering this origin seems to justify time there as a time crystal and while recording the lumpiness itself random but by process become chaotic time itself

originally recorded not the chaos but necessarily its deeper substrate of randomness.. as expansion redirects time and space time becomes a diagonal and indeed we have space teaching time and time teaching space... there fore it would seem the chaos/ randomness equation can be thought of at origins as like the electro weak splitting, in this case chaos does not split exactly from randomness but shifts from separation to a joining in the 3dim +1 realm while still having as the quantum nature the weak signature of that origin.

The question of knowledge emerges as the querry each time adapted to it's complement, that which cannot be

known in total, that each time through Incompleteness theorem, Uncertainty Principle, Computational Infinity, Unknown origins, data which cannot be found, etc these elements are part of the structure of knowledge rather than a sign of it’s collapse… a form of co-definition in the form of up to a tractable limit.

I would posit the formalism next accepts computational undecidability, mathematical and uncertainty principle as indications knowledge accepts the unknowable in a dynamic regard, that like inverse thinking but with categorical development the unknown and unknowable are part of the process such as changing the question and in this case what is associated with "formal" as then this sentenced indicates.

In the case infinite density like a refrigerator magnet suddenly taking in the car, the whole block, the planet moon and sun, who knows… the managing of non singularities between infra red and ultraviolet cut off to either string or its corollary description read a-corrective might seem from that superposition of reading the possible symmetry reading of point in density array have a possible soured in something similar to electro weak separation but at origin per chaos/randomness a split there where a time crystal like origin plus lumpy space originally separate upon expansion then find the diagonal and one teaching the other etc…?

Seems that if you consider a log such as golden section with continuous fractal

relation to unity there is embedded in this the potential to use those spaces like bits, embedding algorithm with also reference to elasticity and plasticity of matrix and compression in linear extension to again module and by reducing the process places Pascal's Pyramid as affine point to an apeirogon and parallel transport?

Returning then to possibility early universe at missing microsecond pure energy state which as lumpy has spontaneous foldings become gluons times arrow originally describing an origin prior the effect of locality and hence a kind of time crystal redirected to a diagonal of time teaching /space teaching and the diagonal then becomes the dialectical space between physics and math through the relation clarified to matrix theory

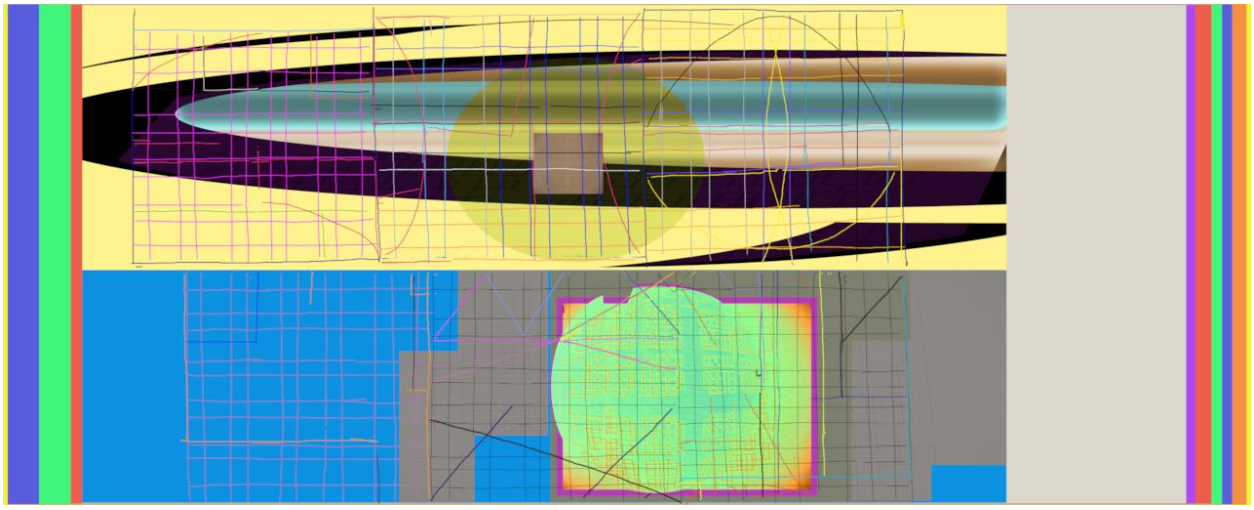
n set to m , n to k dimensions , and principles of inclusion, exclusion, irreducibility realizing quotient space, factorial and harmonic to a set theory brough from the compression at completion of n cycle to a module which might be unitary contained to modular or modular contained to unitary but in that compression directed via pascal's pyramid from string extension syntactically to the reduce point entry on an apeirogon like categorical theory entry?

Shuffling Dimensions and the Card Sharp

Caravaggio's realism was that of a scattering theme, dynamic views of movement twisted perspectives which had a realism not that of the patient still life painter but an understanding I believe he gives a kind of allegory of in his painting the Card Sharps...

he began from the Renaissance view of space as sliced planes, and he created a memory palace through different architectural distances and conditions which were avatars of how reality was likely to behave. In our time we might compare this mathematically with Legendre's three square problem where he shows that in tracing the primeval roots per a lattice form they become Complex at the square root of seven which cannot be directly shown because at midline the inverse of the square root of six as .4086 means the inverse of the square root of seven crosses midline and becomes complex, and then there is a combinatorial shuffling of the amplitudes of rations similar to chaos theory Attractors... Thus Caravaggio had so to speak a kind of memory palace of these recall cards different than say Durur's

Piece of Turf... Caravaggio ruled another turf...



367a9

Finding the Given.

Enter Black Holes Up to a Pseudo-isomophism

The Baez blog article

https://golem.ph.utexas.edu/category/2025/11/the_inverse_cube_force_law.html

seems to take up the theme of beating gravity at it's own game. The incidence of an attractor amplitude to crossings may then be linked to the combinatorial shuffling one finds in Legendre's three square problem on matrices regarding square root of six as square root of seven become necessarily complex... does this then pertain to the structure of jets

emenating from black holels... and does universal expansion experience centifigal force?

Enter Black Holes upto a psdudo isomorphism given that relating gravity density of light and dark universes effectively is an “exact equivelance” category AdS/CF/T the idea of equivelance categories then considered for example of primes to isomorphic and pseudo isomorphic definition that:

Up to an isomorphism in the context of being “not Prime Like” per “isomorphism and thus a pseudo isomorphism as prime-like perhaps allow a comparison of the spins of magnetars to the black hole jets which reaching violation of state energy transference expel jets then one might say as new fields are

created universal expansion light signatures might suffice to act like bosons relaying a Mach like but pseudo isotropic transfer of relative densities of gravity as a spin like storage of angular momentum in that different fields might allow storage of density features as encountering different vacuum expectation between sea quarks and Calabai Yau density petaling equivelance classes through open sets upon vaccua availability considered in a broadening context where if mathematically the idea of factoring essentially relates the idea of “images” or tuples in the recursive definition as contractible to their modular or unitary singleton… would allow equivelance classes to find the singleton as a certain scale ie vauum expectation… as this experience from the early universe is played out in Partons

might take the equivancly classes as they collapse to state to be in fact the pull or attraction of gravity which these attractor states resolve in a kind of spontaneous symmetry building.

The Diagonal and the Chaos/Randomness Equation :Odds and Ends since Eden The Dream of language in Finnegans Wake for example where times arrow reverses can compared in our waking cosmology toward origins at missing microsecond the Electro weak split then Equivalence Categories Chaos/ Randomness , Time Space/(where an original time crystal now teach space teaches time) String/3d+1 take that +1 implication in numerical representation to the relation fractal density composed within centrifugal force as “pressure” and the force of this pressure then that of Black hole jets… How does centrifugal force play out in cosmological expansion?

The Zen of Dark Energy Maintenance

Centrifugal force at a point Newton observes beats gravity at it's own game as a counter force... e.g. centrifugal in the case of Dark Energy also Dark Energy for reasons unknown maintains Density at the Expense of the Vacuum expextation leading to unknown consequences... thinking in terms of equivelance classes can we create the pseudo isomorphism where Dark Energy is it's own boson and could be stated dual at pseudoisomorphic relaxation to centrifugal force?

If gravitation is not a force or field but does have cosmological densities by some

analysis and Dark energy might be its own boson are there any comparisons made between the exceeding differences of expextation between the cosmological constant and the proton mass where an element of superposition relative fields pertains?

f you could go back and flip a coin in the past while youre friend flips a coin in their present would the relation between a particle and its anti particle as posited to be similar construct then reflect a probablity order greater than one, in a sense exotic and how would this relate to Noethers theorum if we add the expanding universe as influencing time assymetry?

From Quintessence to the Quintessential Relaxing : Bang, Rip, Death, and Bubble.

The drawing recognizes a necessary conjecture on origins influencing the nature of the axiomatic algebras as combinatorial and relaxing over Paradigms: Big Bang has statistical personae f But the reason for the energy conservation of Dark Matter and the consequences of the debt it extracts on VEV and how that plays our are for example completely unknown, as is the possibility of the universe rotating as well as the fates of universe listed in title hover over one other factor which is the Lost Microsecond of Universal Epochs at which point all is and must remain building into sheer conjecture, dynamically rather than at a loss with the

effect that coupled with uncertainty principle and computational counterpart as well as quantum Chaos/Randomness difference leaves the state of modern knowledge as accepting the unknown as a dynamic of knowledge … I follow an interest towards Inverse theory, where information is not clearly at hand and Category theory where maps between objects of knowledge may relax parameters to build towards something more like spontaneous symmetry building rather than collapse and in that last reference the drawing has it’s own algebra positing :

Things existing as they have no reason not to there is behind the confined energy states we recognize at the ultimate substrate of the Lost Micros Second indeed sheer energy , with no reason to be symmetric but lumpy

and that lumpiness leading to twisting's into energy packets which coupled with universal expansion form to gluons and gluon tubes... however the electro weak principle is taken as part of also a difference between space in the lumpy domain and original time which was a time crystal as it did not reference a morphology in as in Noether space symmetry but was independent until Expansion turned its one dimensional aspect to a diagonal in the space teaching time teaching equation... But in relation to physics cosmology there is a cosmogeny on the number line where for example Legendre's 3 square problem mapping roots in matrices find at 6 there is a combinatorial shuffling via a Complex insertion of the ..4086 as square root of six taking up the space which then the square root of seven finds by analytic continuity, and

this shuffling is mirrored at attractor level in Newtons discovery of angular momentum transference to centrifugal force as beating gravity at it's own game.

The drawing creates a central region of .4086 square root of six in which this combinatorial shuffling might play out in the jet production of a black hole, where in that case magnetic field instabilities give an analogous case, and this mirroring the potential of a rotating universe to energies through centrifugal force as differing graining's of gravitational field dispersions...

At outset the drawing takes the tact of representing a time crystal by priming the primes, on the one hand approaching their representation as mapped isomorphically to relations of a prime in a kind of Dinkins

notation where each prime adds to a successive one symmetric prime wings... in addition to itself the substrate of the golden section grid I use can cover the field equally by the .0156 ratio which is also that of the reduced Plank by a happy coincidence and some of these have prime multiple characteristics placing them as first order golden section derivatives.... I also parse these then at black hole level by relating the multiples of 8,a prime, and seven which compose primes as distributing into the 6fold combinatorial shuffle.

The embeddings into a y-cleft formation as a dimensional sign for combining the irrational pi and the transcendental pi an e from the stand point also of their natural co-embeddings plays out by relating these as

such to each other and then again their combinations with each other over a golden section field of derivatives.

The General arenas of UV and IR corrections made within Einstein's cosmological constant and the relation to string theory dimensions where in effect AdS/CFt allows a drawing of the world line on the world sheet are examples of category theories structuring the kind of black hole and cosmological genesis which feature the modes of up to an isomorphism or the relating of Equivalence Categories where for example these can be seen as in pseudo isomorphic mode over their equivalence to gravity field dispersion theory... and the general mode of relating category theory as bridging optimal amplitude to the combinations of theories'

which can relax certain structural clauses towards effective combinations found.

368b5

The Artistic Diagonal of the Cosmological Number line:

World Line on World Sheet P+1 Dwg Cat : Priming the Primes and Beating Gravity at it's own Game Cosmogonies of the Number Line up to a Pseudo Isomorphism

Consider the expanding Universe as stretching space...Local added energies indicate pressure of a displacement upon some other in time and just as in the Feynman antiparticle as a particles past, the disconnection over Noether requirement on time symmetry yields of Cat the category of all categories with the expansion of space an expansion of categories with infinite crossing thus infinite spaces thus infinite expansion. So superposition of determinants and characteristics must be like the Pascals pyramid at an affine point releasing an apeirogon of parallel transport as exotic surface, that surface being equivalence classes outside the set of determinants and characteristics which are the mirror

plus one of the category of all categories which exists outside of definition.

Meeting the Pure Land

A form of painting which introduces the artistic diagonal in a cosmological context is analogically at hand in the Buddhist Pure Land Paintings where a hard diagonal introduces the advent of an introduction and which I will compare to a time Crystal turning from it's one dimensionality

Introduction : Van's Cosmic Number Line and Algebra over previous points on exigency and contingency would have to begin with a necessary reevaluation of the axiomatic itself given the Physics and Computational Uncertainty and Incompleteness theorem and their Categorical approach as a fated necessity of relaxing parameters which then I will take pretty much as Higher Topos and Higher Category theory to begin with...Entering Black Holes for example "up to an isomorphism" (regarding a mathematical combinatorial shuffling inherent in jets to centrifugal forces)...that knowledge is part of and complementary to it's unknown plays the part of

particle and anti particle inverse time so to speak and as a dynamical process allows hypothesis of necessity to have toward the larger structure the larger scope, while more is known of each lesser strand of the braid.(and Braiding also a mathematical concept of overlays and twists in time)...

At outset the introductory hypothesis is that things exist because have no reason not to and energy which we meet confined in our chaos/deterministic shade of the quantum true randomness and/3d=1 world of probability is at a particular moment however namely the Lost Micro Second actually in the pure substrate pure energy and randomly distributed as there being no reason for it to be symmetrical... and because of this non cause and effect time itself runs in one direction as a crystal even as the packets do twist to start forming the gluon packets and have spontaneous symmetry building time itself records only the distribution which is fin place until at Expansion then time turns diagonally as space teaches time and time teaches space and gluon

packet become tubes while dimensons of space influence quantum numbers.

so just as artists use "negative spaces" the sea foam quarks have emergent spaces or holes between which are effectively both black holes and pseudo particles ... in graphene the lattice can relate to Betti numbers or the relations between connected elements which relates strongly to category theory

the combinatorial shuffling has to do with the interesting aspect analogous to centrifgal force introduced by LeGengres 3 square problem taken to the square roots lattice in which .4086 takes up the space which then requires of seven a combinatorial shuffling as a complex mode... there fore relating the degrees in which a six fold arrive in the primes as distribution pattern I am interested in that set pseudo isomorphism and the relation inherent to a form of centrifugal force which John Baez investigates in terms of quantum mechanics of the inverse cube square law where so to speak gravity is beaten at it's own game, and the extension to black hole jets and possible

rotating universe as well in which dark energy and contributing centrfugal potential amplify the similar content of spaces in emerging quantum foam which are miniature black holes analogical to those in graphene lattice and thus may analyze to Betti numbers

From Neo Plasticism to Neo-Elasticism and Back

discursis: preliminary takeaways on elasticity and plasticity

A recent proposal that a quantum Hall like effect composes the cosmological constant means that very topological solution is so by being a ratio of the cosmological constant to other constants... a plastic relation then in the conservation of state in the form of topological protection.

Where: The strictly uniform density of dark energy (for reasons unknown and consequences unknown of the stretch of energy in vacua even as its density maintains by the cosmological constant as a gauging.

An Elestic content pertains in the relation of the stretching of the strength of the vacua which

topologically protected to density and thus represented as a fluid is stretching as it relates to Dark energy

Per quantum Hall effect on Gravity and Vaccua

Therefore it pertains all in all to a pseudo isomorphism over the equivalence classes of Dark Energy and Vaccua where elasticity and plasticity dual to a state of a kind of Betti hole?

In this context what is the elastic/plastic content of Ricci flux?

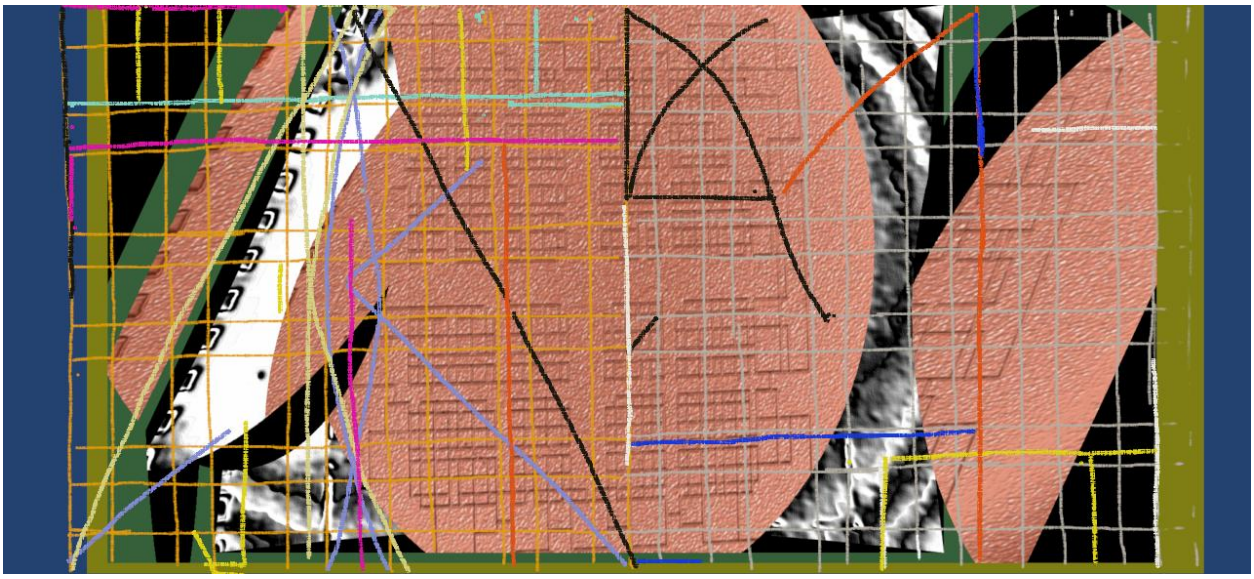
Art of physics

From Neo Plasticism to Elasticism w. Push and Pull :where recent cogent proposal applies that the vacua is a fluid of topological elasticity as it responds to dark energy via a quantum Hall effect which normalizes to discretion the plastic motivation of the Dark energy as quintessence bosonic and relating to fermionic dark matter then we can infer a centrifugal force of the cubic force law which to three dimensions on the La Gangian will provide this, the specific cases here a pseudo isomorphism upon which also then we find

the Ricci flux as compressible carries the information and introduces higher dimensions of the surd fugality. The three dimensions introduce the three squares and the Ricci flux inherits the analytic continuity of heat equation.

In the drawing the idea of a preliminary time crystal uses the idea of considering the time as over a prime number route of singularities which are give Dinkins like graphing as considering these as each a prime in succession with two flanking primes and these in turn are ordered by relations of multiples of 8 and +7 in relation to a combinatorial shuffling by which the 3 square problem of Legendre shows a complex transfer, and this as noted the Ricci flux relation to heat wave equation, as with expansion the crystal time and space diagonalize and time teaches space teaches time…John Baez notes then the centrifugal force by which the inverse cube flow introduced into any LaGrangian initiates this element of gravity beating its own game via the centrifugal force or analogous… the drawings golden section grid may cover the surface evenly with .0156 divisions which are also the

same as the Plank, and thus over the golden section Hermitian grid the transfer via the golden section informs the Riemann conjecture towards the Lost Hermitian ie it carries as a real number the irrational... I use a kind of y cleft turn between the golden section Pi and E as they embed in each other and carry a kind of unity in that evolution which also can be interrupted to other enclosures of process... this would include for example constructing jets from the corners to center on proportions which may be expressed as independent ie morphing to oblong section or non linear representation... since .0156 is in reciprocal 64 and the surface is covered by 64 times .0156 the relation becomes significant that the square root of two time 4 is the square root of 8 as then mapping the relations along the diagonal as it carries the essential space time degrees... I also relate the two possible values of square root of two as .707 or .708 the former relating to .101 or pi squared and the latter to 3 times .146 the fourth turn of the golden section as their odd and even status relate to complex motion.



368c2

Golden Section Directed Graph

The structural dynamics of the golden section link it to both Euler's number and Pi and also the Feigenbaum and Weak theta the Weinberg number... and this drawing gives a kind of directed graph per an abstraction showing this braiding action... Eulers number in reciprocal is .3679 and this to the negative two is .606 in reciprocal 1.5393 where ,5393 is in reciprocal 1.854 or three times the golden section module .618... Euler's number in reciprocal times three is 1.1 and the Euler 2.718 version then is 1.1 plus .618 and 1.1

in reciprocal is .909 … .606,.909 and also square root of two .707 are multiples of .101 which is the reciprocal of pi squared and the reciprocal of pi squared as approximately .3168 is the tenth part of and also reciprocal of the square root of ten, which if added to the square root of 11 from its reciprocal will be 1.618…Weak Theta, the Weinberg number .231 is times seven .618 and the relation to seven as a seven fold has combinatorial relation to Legendre's 3 square problem and lattice analysis to root at six fold becoming complex.. .3168 is three times .1056 where that number is the gap in a square between the square root of five twice applied and three times .3168 as 1.27 is

the reciprocal of .788 as the square root of the golden section . It is also true .101 can be sourced to .466 or the tenth part of 4.66 the Feigenbaum to the third power and the complement of the reciprocal of the Feigenbaum is .2146 which times ten is 2.146 or twice unity plus .146 the fourth turn of the golden section spiral and the complement to .2146 as .7854 is times four Pi..The reciprocal of the square root of three as .578 has .4224 as complement and this squared is .65 in reciprocal 1.5393 where .5393 is in reciprocall 1.853 or three times the golden section module... and .4224 plus .466 will be .888 in reciprocal 1.126126 where .126 squared is .0156 or the reduced Planck

and this number will evenly cover the golden section grid... .0156 has reciprocal 64 and .64 is 1.56 where .56 Is 1.7854 and .7854 times 4 is pi ... .2997 c speed of light times three is .899 and this in reciprocal is 1.112 where .112 is the vacuum permittivity and is 8,927 approx and this doubled is 17.854 or 1.7854 where .7854 times 4 is pi and .7854 time ten 7.854 where .854 = 1.1708 approx and .1708 is the third turn of golden sections spiral if taken from .4472 the square root of five its parent... The square root of 13 is 3.606 where .606 is 1.5393 and .5393 in reciprocal 1.854 or three times the golden section module... unity plus .788 the square root of the golden section is

.5793 in reciprocal form and times 4 is 2.3168 which compares to the square root of 11 as 3.3168 in gnomon form... .7594 times 2 is 1.518 and this number is .65 plus .64 plus .6336 where .65 is unity plus .5393 the reciprocal of three times the golden section module and .64 is 1.56 where .56 is1.7854 and .7854 times four is pi while also the complement of the reciprocal of the Feigenbaum... and compares with 1.854 as .718 plus .618 plus .518 and .718 to the fourth is .264 approx and time 4 is 1.056 or ten times .1056 the distance between the square root of five twice applied in square and three times .1056 the reciprocal of pi and this times four the reciprocal of the

square root of the golden section and as well .2997 speed of light in divided by .3168 also 1.056…

These interpenetrations and braidings if taken into the sheer mathematical diversions available what is sampled and presented as data may in the case of long distance relation be

Of an anomaly: (that Bell’s theorem may have to wait)…

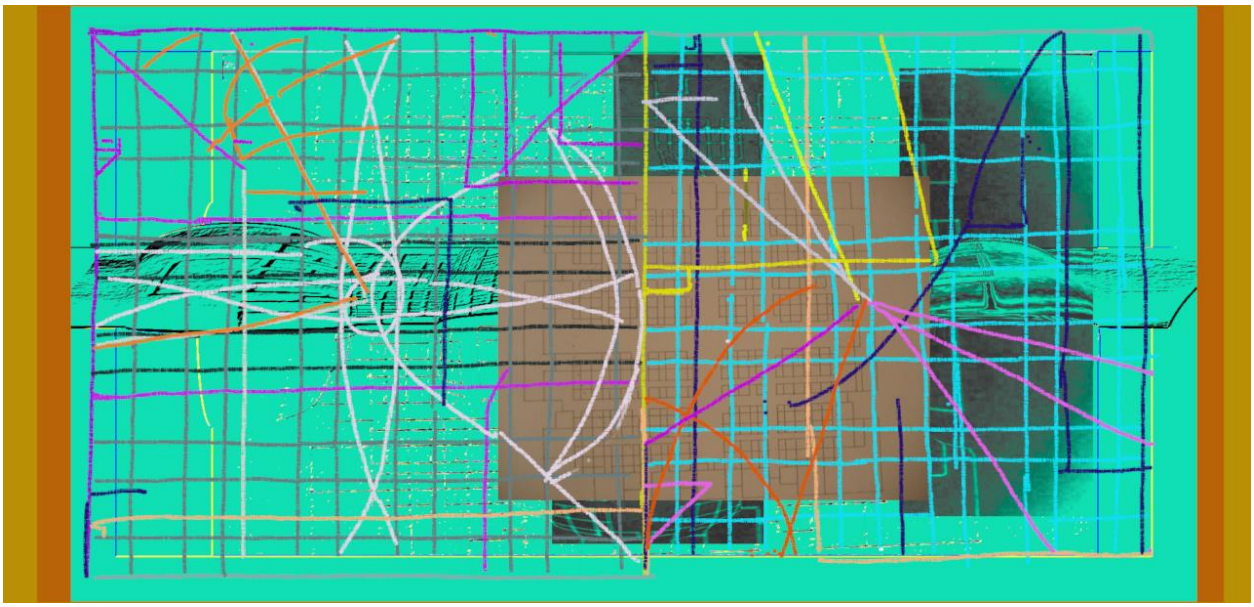
it is interesting the study then relates comparison of differentials and angles via a somewhat categorical theoretic simplification which alters then on a theoretical level Bells theorem as not

necessarily instantaneous to view but that long distance effects could extend the time of realization then future wards thus to return to a previous note something like probability greater than one.

Brownian motion crossing zero creates an infinite crossing set but in no- time thus

that's the missing element: at the missing micro second relative the lumpiness of space itself time must have been something like a time crystal ordered to something like prime as themselves self flanked but with expansion and time space now created as diagonalized this helps fill in where the vacuum arrives in the equations... an original black hole but

in the crossing identifying foam annihilation space as micro black holes...



386d5

LanaiKea Ancilla Mauna Kea Observatory:

Time Crystal Diagonal Notes in the Klein Moduli Stack Winding Libraries Laurentian, Duchamp, Ephesian...

the idea of ***nothingness*** in my researches points to a kind of no-time in the crossings of Brownian motion, Fields as 'not things" and a primordial lumpiness in lost microsecond space prior to a link to Expansion, and in that event also a kind of time crystal no-time before the Projection, and in the relation between chaos determinist 3d+1 and then again pure quantum randomness an absolute divide... time space is local.... and the Bell theorem may be suspended over long distance effects... compare these notes

then with the ***assertions*** on easy progressive manifolds out of 4 dim enthusiasm and I find inbuilt confusion in the brisk assertions

Dust seems to float because it is interrupted by air turbulence and since gravity is a function of local space time geometry the transference as it were to air molecules and their energy brings up the question relating Dark energy self conserving density and Dark matter interaction upon which a centrifugal like force driving expansion between repulsive and attractive energies gives added energy to Universal vacua but globally a weakening : such that then if cosmic

webs of gas in dispersion are in a filament like mode and the fractal like edges might at fringes become like asymmetric crystals as they compress into a string dimension, which itself at certain depths of the 10^500 out reaches of vacua have a kind of limiting probabity : could we compare this to a kind of Broullin zone there where the gap space simply joins the weak energy of space itself which as infinite provides what we would think of our side of the coin as expansion in a limited universe but otherwise in space itself just simply infinite?

Like Chinese calligraphy with a palette knife or in contrast a sculptorschisel motion in a gyroscope analysis the former is in the mode of elliptical turns of the violin bow and the latter in a lariat like overlap or flourish and the first mode could be thought of as mathematically unitary as asymptotic Lie spaces and the latter in the mode of greater than one

Feed back loops verbal to graphic

Verbal/visual pre space:

Algorithm

Bow and Bolero/ era rea rebus/ timi and Lissajous /stacked klien bottles/Brownian motion lattice/ycleft lattice

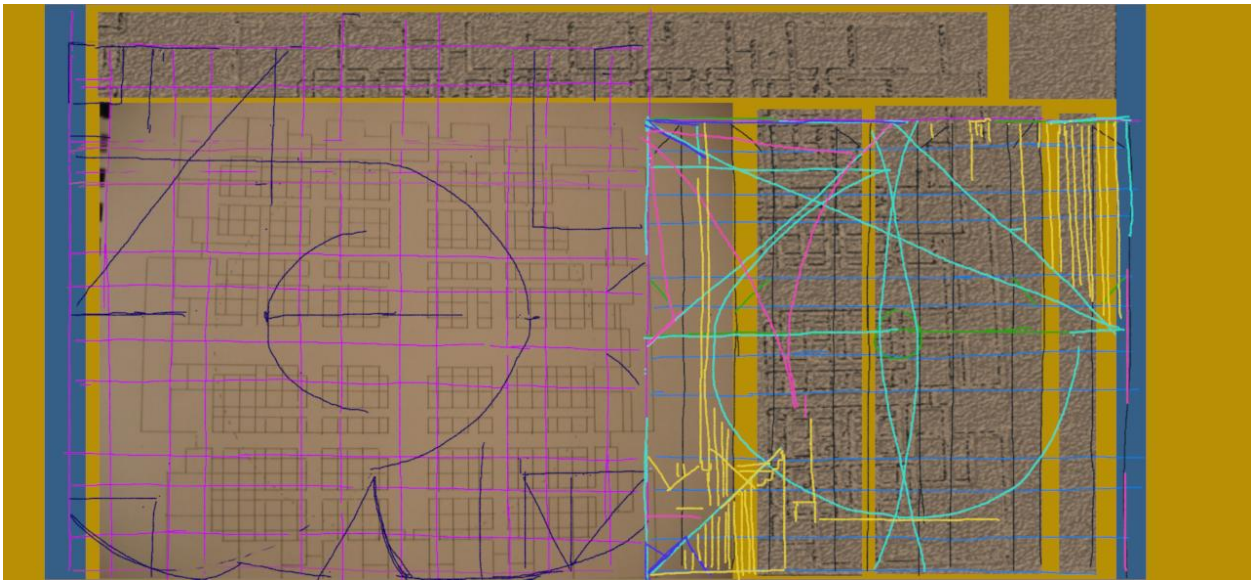
Are verbal parallels on this visualization where the looping motions in Klein bottle motion relate

Golden Section Door Ordinal Tract

We are familiar via graphene condensed material physics with 1.1 as effective or “magic angle” of alignments of that lattice, likewise the golden section at the term ratio .81 yields in reciprocal 1.2345679 indicating in that sequence the point in the roots via Legrande’s 3 square problem that there then is necessitated a complex combinatoric to stage the transition of the sequence across midline and the fact that the square root of two times 4 is the square root of 8 allows the golden section matrix to plot on the diagonal… where .707 -.5 is .202 and this at half is .101 and thus value

of pi squared as well as the tenth part of the Feigenbaum cubed. The Golden section grid can be equally covered by the value of the reduced Plank .0156 which is reciprocal of 64 and .0156 is the fourth turn of the golden section from .4472 its parent then divided by two and is the equivalent of the complement of the golden section .618 as .382 divided by 2 =.191 or 5.236 in reciprocal where .236 is third turn of golden section proper... .81 then like 64 is a perfect square and relates to the golden section as doubled is 1.62 approx. 1.618... the drawing works through multiplying each successive length of the expanding series by that integer number times the reciprocal

which will in each case =.81 and also gives indication of the .0156 quanta as relating to values of that within modules and then again dividing surface directly.



368e3

Langlands Redux : Building Cosmogenesis of Number Line on the Categorical L.

The 5 paper solution to the Langlands conjecture is like materials which carry a plasticity to elasticity memory of which this memory becomes a profile in compromise and bridging of sets carrying a geometric generalization of consistency in what is essentially a development, response and affirmation of catetgory theory on the deterministic side of the chaos/randomness equation.... Of randomness there is in this deterministic side an openness to higher dimensions and there are Langlands modes of

relating to quantum information from it’s measures given as experiences in the probabilistic mode after wave collapse and it’s decoherence dual but that remains on the determinist end of the spectrum… of randomness then, like Dark Energy it has a continuous way density…qualified by the difference that Dark energy is bosonic and might be self interactive… is Randomness self interactive in the sense that wave collapses place phenomenal bridges or gates on the one way continuity of randomness?

continuing in the line of category theory and knowledge theory are there postulation to the effect that there is a

natural inward to outer pressure between fringe and "strong" theories that in and of itself needs to be taken into account as a pseudo functor on the principle of fated necessity? In general one would say that for example Many worlds is not meromorphic principle but branching from phenomenal gates...

Langlands is a mathematics per mathematics with outside projection only on physics... however if one wonders if on the principle you predict to some degree the species of a given environment towards evolution in very general terms the startling variety otherwise arriving compared to say distant effects pausing Bells theurem to time itself posing

conditions we can map this categorically to that mathematics which describes physics studied to its own effect and then regarded structurally as a kind of cosmogenesis on the number line itself which for example takes into consideration pre lost micro second time as " different" more like a time crystal and thus the Hamiltonians, Compex states, combinatory effects of Legendres 3 square to log lattice have computer programs been given numerical parameters to imaging universal structure from only mathematical information whhich is non- physics to compare with the given history arrived at via physics?

My general preliminary sketch toy model for Langlands is to consider a golden section Hermitian Grid, and this can be covered by the value .0156 evenly and this as golden section and irrational as real allows a status toward Complex numbers as an “unknown Hermitian…. As Pi, e, and the golden section embed given the golden section as unitary driven is bit like, e is in reciprocal times 3 1.1 and 2.718 is 1.618 while plus 1.1 and in reciprocal to neg.2 .606 or 1.5393 where .5393 is unity plus three times the golden section module and .606 is .101 where 101 is the reciprocal of pi squared and thus .707 the square root of 2 relates and

has dual .708 which is three times .236 the third turn of the golden section.. the staging of primes to complex numbers taken to pre lost microsecond time arrives at that lumpy energy on the one hand and time in a time crystal mode prior to inflation placing time space to diagonal and the primes can be stated crystal like ie each prime has a successor which is a prime with faces primes like a Dynkins map... in relation to this a golden section ordinal tract emerges with .81 which times 8 is 1.46 or ten times .146 the fourth turn of golden section spiral and .81 is in reciprocal 1.2345679 thus showing the ordinal tract as emerging from Legrand's three square problem and

lattice complex effect on root combinatoric, while also .81 is a perfect square as is .0156 per in reciprocal 64... 1.2345679 multiplied at each integer from produces .81 and each of these analyze into goldens section terms ie 2 times 1.234567 is .408 to neg 4 is approx .8944 or 1 minus the gap of reciprocal of square root of five twice applied in square and .8944 is double the reciprocal .4472 and likewise analytic can be provided for the continuum as harmonic ... the fact that the square root of two times four is the square root of 8 allows an objective mapping onto the stretch of the diagonal... and .707 minus .5 is .202 or twice 101 as the reciprocal of pi squared

come into the measure... thus pi,e and golden section are triplets which embed and may be structured to modify a group of golden section neighborhoods and these as rations can be staged from corners of composition as jets or rays which are either evenly distributed per corner or are independent variable form ie differentiations not bilaterally split but asymmetrical on ray to center...

A Categorical Langlands Screen via Combinatoric Vectors of Drawing Motivations

In this case drawing means to draw meaning out of some unusual combinations…the Langlands Hecke sheaf is a kind of object of categories that will serve as an eigenfunction over full variety and continuity with a geometric to mathematical continuity.

This drawing place this as a particular I construct which motivates over a pre-space of Pi, the golden section, E, and the primes with the last a particular representation linked to Dinkins graphing… and I also add a category of

physics constants out of interest in seeing how a cosmogenesis of the number line itself might conjecture that direction as well...

I find the ordinal tract which also specifies over the complex combinatoric necessitated by LeGendre's 3 square problem (which finds the lattice demonstration of roots becomes necessarily complex at square root of seven... the number .81 then as 1.2345679 gives all this and is the perfect square matrix one can relate to the golden section as as doubled =1.62 approx 1.618 and each of the integers taken as a wave front so to speak multiplied against the sequence whole is

at that point will be .81 while the reciprocal of each will have golden section forms ie 2 x 1.234567 =2.469 is .405 and this to the neg fourth is approx .8944 or twice the square root of five parent of golden section...1.234567 x3 is 3.703 where .703 is reciprocal of 1.4224 and .4224 as complement of square root of 3 is twice .2112 which Is complement of .788 square root of goldens section and which divides into its reciprocal form 1.27 four times the reciprocal of pi itself formed of three times the gap between the square root of five twice applied in a square... and likewise the others have construction in this mode.

The .788 term, square root of the golden section brings us to the physics side per the Friedman equations towards expansion and contraction relating 4 pi to 8 pi respectively over those vector sheaves and as we noticed .788 is four pi and divided half both axes the 8 self similar shapes will emerge as the grid face.. divided half one axes then becomes .6336 which as 1.578 is unity plus the square root of three. .3168 the reciprocal of pi is also square root of ten and this added the reciprocal of square root of 11 is 1.618, while in the seven manifold zone the Weinberg angle Weak Theta .231 times seven is 1.618...this indicating then the golden section relation to unity allows

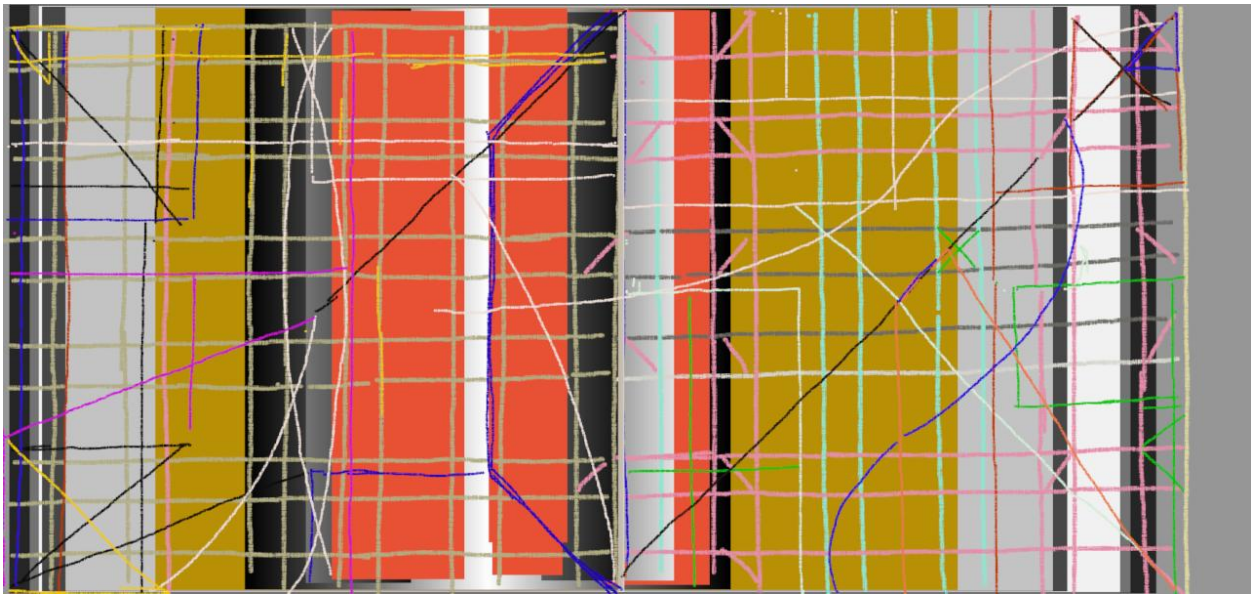
to act like a bit and relate to combinatorial and centrifugal meromorphic and attractor actions.

Along with the sevenfold then there is a tenfold of the .1056 proportion which is gap between the square root of five twice applied in square and this times three the reciprocal of pi while twice .1056 gives .788 the square root of the golden section and four times that shape ratio of .1056 is .4224 or the complement of .578 the square root of three while also five times .1056 is .528 this doubled then is 1.056 or ten times .1056 and also the ratio of the reciprocal of C speed of light divided by the reciprocal of pi... 6 times .1056 is .6336 in reciprocal 1.578 or unity plus

square root of three.. 8 times .1056 is .8448 to neg 2 is .918 approx and to 6^{th} is .65 or in reciprocal 1.5393 where .5393 is unity plus three times the golden section module...

The primes before the combinatorial 7 as 2 and 3 are to multiples diads and triads while those extending ten become linked to the golden section Hermitian grid which divides evenly to the Plank .0156 and there fore transmits the “Unknown Hermitian” or operator as here the irrational pi and real therefore carrying that information... the primes can be designated as each successively the previous plus symmetrical wings of primes like Dinkins crystal mapping...

these groups of forms then through the drawing have trace their various windings through the .81 structure as it becomes a vector combining its representation over the other groups and their self and alter morphologies...



368f3

Pure Land and Neo Plasticism to Langlands Elasticism , Braids , Knots and Slices through Category Theory and UP along the Way the Fated Necessity of Inward to Outward Pressure Systems between Strong and Fringe Theories in Knowledge Theory.

The relation of depth to surface in the visual mapping of art , the handling of logarithmic spirals as storing memory, and the spatial ramifications of the diagonal within art are cobordism to physics and introduce the structural aura of proxemics as the bridging over categories, their knots, splices, braids and slices per shall we say Category Theory and initial Hom Sets or Star Algebras..

In art one finds many unholy alliances and cautionary tales of simply mixing one artist with another on a visceral level , yet then

again the links between any number of artists can be found to Knowledge theory … the earliest philosophical recorded statement in the West by Parmenides was “up along the way they penalty to one another fo their transgressions (in Greek actually the phrase represents social contract via intuitive co-organization for survival in the sense of human responsiveness and this then, culling the general sense of proxemics is picked up on by Heraclitus whos “fated necessity” over flux identity principle was given his thought experiment we are very familiar as our idea of a “light year” stems from his proposition of a Cosmic “Great Year”… I would hypothesize then that strong theories in our current clime exist in a complex evolving knowledge system where the strongest theories can only be lenses on the whole and that it is fringe

theories which introduce what become a co-definition between what is known and not known as whole and necessary to each other which act as balancing pressure systems...

The orthogonal Neo Plasticism of Mondrian and the Elasticism of Langlands theory and its foundation towards Category theory may mix that automorphic note with say the Eastern Pure land Painting where the diagonal rather than Western Perspective space instead finds the identity aspect of the diagonal which we might think of in terms of logarithmic spirals storing knowledge or Clifford mathematics “identity” as in matrix diagonal instead uses a kind of wave front motif... leading to a spectral recoil as it were on the recall of bridging proxemics.

Surd Aporia

does an ***ergodic*** system broadly compare with a Langlands Hecht Eigenvector and what mathematical expression most closely resembles thermal equations ie Louivillanc/inverse square law as pertains also to the Ricci flux inheriting from the heat equarion a relation to Legendres 3 square problem and potential centrifugal motion relative perhaps to turbulance reversal potentials ...

do vorices react complexly to vertices ***of*** these for example are harbored as affine points, eps or apeirogon construction on parallel transport

Surd Aporia

Robert Smithson’s Jetty had a drawing phenomenal appearance in his discussion with Dennis Wheeler which he termed in an article a “Surd” afternoon meaning the state in which they bonded mentally to a hyper degree, and at the same time I am interested in the idea of aporia, or the holes in arguments , riddles, puzzles or in modern chaos/randomness milieu of uncertainty y and indeterminacy principle plus cosmic origins allow this status a kind of continuity on the Metaphysics of Aristotle who observed on the relation in those degrees attending the recognition factor of prepatory consciousness in a pre-space to time where events may disclose information through a

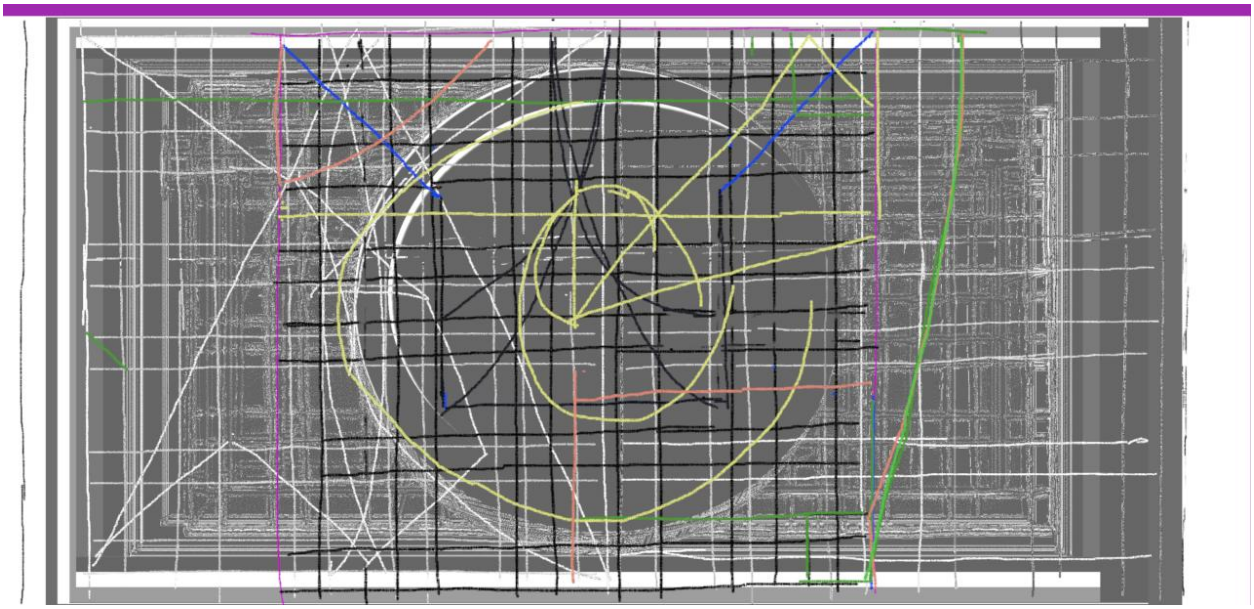
kind of routing through experience or may be more directly winding continuous.

Since the Langlands is called a Program I then in terms of looking at this ground plan am reminded of some years I spent running prints post art school at Gwathmey Siegel of the New York 5 for whom Hambidges book on dynamic symmetry from his articles in The Diagonal were an underground classic for the five and at that time I created a golden section system of my own. The archictect's drawings were coded as "programs" and this then gives me to consider the relation between schedules on lower end of say Ricci Smoothness and then again schedules per Hecht sheaves on the Categorical Langlands smoothness as subject to the terms of

drawing itself, categorically... ie the 300 or so Sanskrit words for drawing imply a morphology to isomorphism, difeo morphism, endomorphism, etc and in simplest terms lets just take “drawing in” and “drawing out” as drawing in seems to take in the spectral content plastic in effect relative the elastic return on order over higher dimensional input per the Categorical langlands smoothing relative lower order origins. There is then in the concept a kind of building over, and a relation between the two smooth ie mathematical Rici and Categorical Langlands orders on the level of turbulence, where vectors and vertices of dimensional shifts in proportion stem from a 3 square problem Legendre problem which engenders that venture even into the ergodic at a moment prior corrections ...

remembering Aristotle and the theme of origins of numbers then it would be warranted to observe a sense of the plastic and originary mathematical spectral is as space teaching time whereas in the ergodic modes presaging a turbulence out of algrorithms as embedded in logarithms bonding in differentiation as the level of turbulence introduced by the three square theorem which as a groundplan gives the dimensional introduction of mathematics to also roots but at a combinatorial dissonance at a given point introducing that complex tidality. The latter case then being time teaching space. My question then is given the Langlands can be a lense on the measuring apparatus over the difficult Chaos /Randomness equation does this imply in a way that kind of takes in the previous account

the wraparound effect of measure itself upon itself such that we create effectively a Majorana Particular out of something like image processing... where ergodic modes upon an “image” remind that an image is the nature of a tuple, and a tuple is recursive on the higher end when it is the repeated measurements which are tuple marjorana wraparound like?



368g4

30 Topologies Architectural Complex Drawing Towards Cosmological Genesis on the Number Line

Initial notes and querries

The double image as cropped of DaVinci's last supper by Warhol gives an interesting idea about image processing where in mathematics an image is a tuple, thus the process of mathematical multiplication creates an image and of course the print edition then places a limit or also a kind of "cropping" ... this cropping process has a kind of inverse inspiration in the artist who Warhol was highly influenced in his drawing, choice of print medium and process was Morandi, who's still life tableaus might picture to picture in the set up subtract or add a single element thus a cropping and anti cropping approach...

Mathematically, then image processing so to speak can proceed by altering or creating topologies, finding resonances be become Attractor Action, alternate non commutative and Hermitian approaches or division to multiplication etc etc...

and in relation to the artistic cropping then of the Warhol Last Supper print I wonder as editions go about the cropping of the Universe as in the Compression state and how our local Universe diversion of energy qua infinity can be studied on both accounts on the signatures of the Edition

quantum uncertainty however is not just lack of knowledge of a probabilistic outcome but quantum is truly random ... therefore as you indicate it is an induced probability into the

quantum entanglement the experiment describes and this is not the true randomness correlation of the quantum which itself harbors potential. Per description of the smoothness of Einstein universe, and we can relate the Ricci flux smoothness as a lower order function to the Langland's where smoothness this time is over Categories in theoretic. The two are different but can find functorial bridges through a careful statement where verbal and numerical relations kind of entangle...

cropping is an interesting way for artists to approach the manifestation quality of the work, for example where Warhol in his double Last Supper print plays with the idea of the print edition as numbering and cropping a stacked diptych, which features a complex still life and in this there is also an undercurrent of the artist

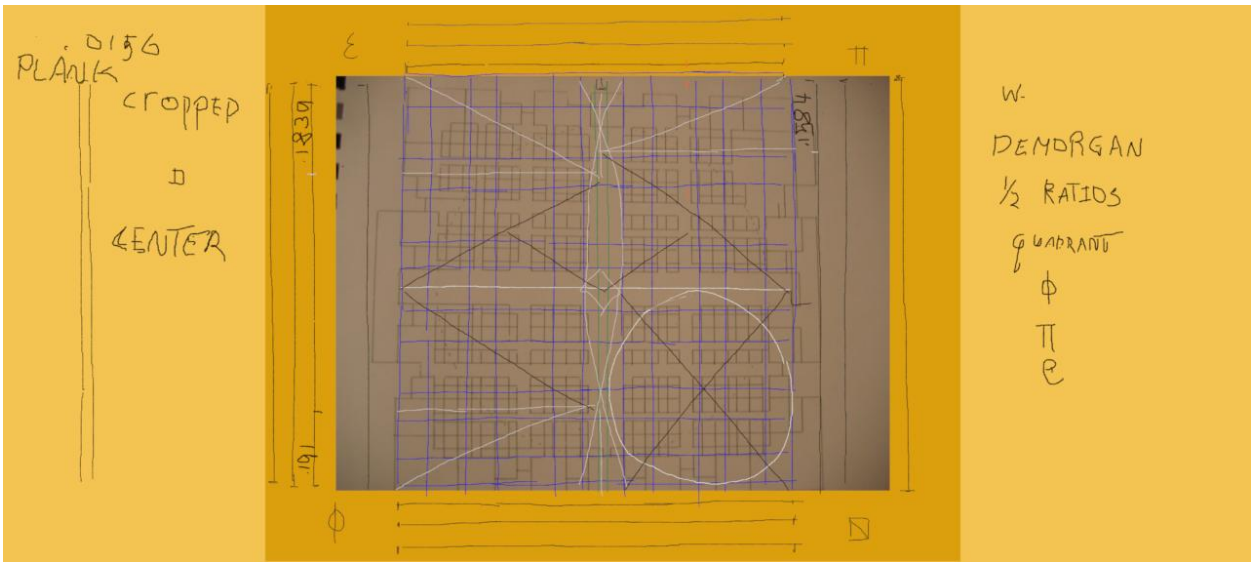
Morandi whom Warhols drawing style followed closely… and Morandi's tableaus often had to do with successive pictures adding or subtracting one element of the composition, changing every thing… so turning to the idea of cropping Creation my question is at the Big Bang there is the preliminary compression of matter to approx size of a child and then the expansion but of this material taken from infinity what shall we say are the signatures on the Edition of the infinite source…quantum being random pertains to all domains but at Creation is disturbed to a measure…? What might our worlds given evidence suggest about the infinite field from which it was cropped?

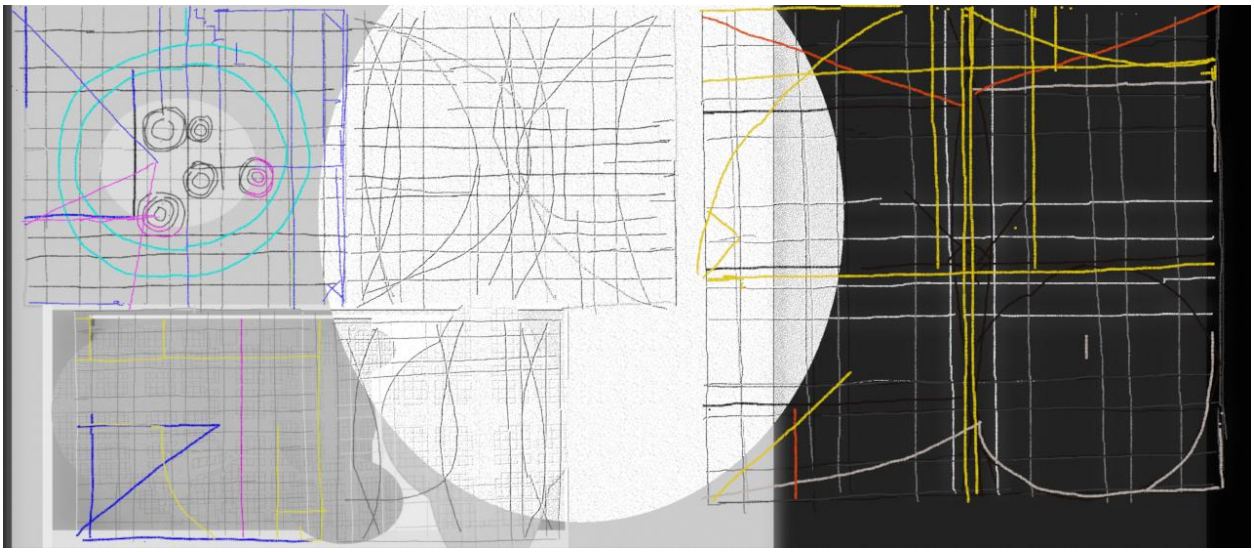
Degrees of order: Pure Energy say in pre lost microsecond seems to find quantum randomness the zero entropy driver energy itself in space itself ...as a lumpiness in that dimension there time and space separate then come a quantum world in which is induced entanglement which likewise induces entropy into the quantum as entangled... where conceptually is the quantum non entangled relative the quantum entangled and at what point and how is probability induced into the expansion 3d=1 world presumable a function of entropy...? And space itself as that in pre microsecond and space itself as one off foam space are how related?

These works now are concerning the degree of order by which at cosmic origins the small compressed mass was so to speak cropped from a larger order... here, since the golden section grid allows even distribution to square of ration .0156 which is the Planck and also a position on the golden section spiral I take this as a cropping of the whole field as a stripe, condensed to a small circumference as the order... over the original energy field the quantum fluctuations which encounter expansion in the process of entangling with environment begin decoherence regimes which then plant into expansion the induced probability regime which relative the

pure randomness produces the 3+1 familiar world of galaxies… The numerical ratios of the golden section, Pi, and Euler’s become my representative quantum numbers so to speak for describing differentiation fields… the drawing I am working on then gives 30 topologies to relate to the smooth Ricci regime on lower end and smooth Langlands on higher Categorical String ends… with turbulence in between as the Attractor Actions…

368h4





386gh

SwampLand to Many Worlds:

can one speak of a synthesis between uv and ir cut off and such logarithms between algorithms which can relate a fermionic relation on the Riccis side of smoothness to a Langlands Categorical approach to non commutative stretching of decoherence potentials toward string theory at the Langlands Categorical approach?

I wonder if relative plasma cosmology, entropic gravity and quantum information theory there might be a theory to devise over the idea of taking plasma pinching in cosmic origiins (plasma and electric field interactions internal and externally) where the cosmic entropi indroductions of induced probability relating over quantum stretching

of impurities due to expansion might take gravity itself as a signature of pinching?

Anaphora and Catachresis over Alloisis

Or phrase to phase orders unusual to their flux Characteristics as Cosmogenesis between Randomness and Chaos.

For this I give a model over the text which symbolizes in technical terms the elaboration over a fluctuating statistic which branches over what one might call Category Theory Arts and Sciences indicating how group theory evolves and finds physics where lower order and higher order smoothness relate across an intervening turbulence considering quantum randomness and the phase transitions from cosmological origins, separations of time and space, expansion, induce probability and decoherence matrix and in general there is in the text here quite a bit of relaxing between the distinctions

between arts and sciences but to begin with there is the drawings identification of a model which occurred to me... what would happen if one were to take three fast pulsed toroidal pinched systems (plasma systems where the interior electric content interacts dynamically with exterior induced in a diversion mechanics of the flux flow) and had between two of them a Casimer plate where these three were all on a cone and the third functioned a Josephson Junction?.... Essentially the Josephson junction would be operating to induce energy conversion on lower level quantum fluctuations...accelerating toroidal energies...This model then gives an interesting summary of the fluid dynamic repertoire of relations to that matric per three square force Baez implicates as linking the

combinatoric shuffling necessary to Complex relations and emerging from square matrices which mapping to orbifolds relate the regimes of the simpler and thermal Ricci Regime to higher orders evolving over Cosmological expansion order where the stretching of impurities develop the various degrees of separation over purity level of the quantum regimes and analysis of smoothness toward Category Theory as the process extends over time to the noncommutative realms linking string theory as the world sheet over which the world line draws out the relation between AdS.CFT , String theory ie vacua bosonic to “a” fermionic…

Uruana Orange, Glass, Ashes, and Jewels &30 Topologies on :Quantic From Uttar Pradash to San Marco To The St Denis and Ephesian Libraries

Like clips of born deaf with hearing restored first hearing music upon waking to Public Radio Puccini per Turandot on wake up call I began to understand something...

Years ago... interested in a project described by Rhizome where a sound sent through internet gradually changes pitch I looked into the etymology across languages for the word “glass” as an aside to my general interest in Duchamp’s Large Glass. In so doing I began to realize that almost daily entire languages go extinct... but one of the

ones that startled my interest is the language spoken in Uttar Pradesh by the India by the Narri ..(where recently the Most Sacred relics of Buddhism were originally gathered into the possession of the colonial Peppe family who mounted the jewels into a glass framework very evocative of Duchamps Dust Raising and his Large Glass... The People of Uttar Pradesh from earliest childhood learn by systems of the most elaborate and playful games, and riddles a kind of Occupational Therapy culture as it were involving this as the educational systems and began to realize the Large Glass was an Exotic counterpart to Picasso's parade in which the riddles of Puccini's opera were the Litany of the Bachelors in relation to the Bride, and the Glass itself the riddle , framed as a counterpart to the framing of the jewels in

glass by the Puccini family… I relate the word Uttar to Uruana, or the early Dawin Goddess of creativity from which is derived the word orange… per monks robes…. Returning to the glass also is the dust raising form similar to the jewels but also recast in another framing in the glass as a version of “ to be seen though one eye only for nearly and Hour” by which on the one hand is evoked the mathematical Pultrich form corresponding to the Glasses “chariot _ which is an effect by which a pendulum seen with one eye closed seems three dimensional because of the eyes relation in time … a commentary on art tastes changing in time, and the raised eyebrow…. The duals of the pendulum involve San Marco in Florence where the monks monastery is devoted to vows of silence and the architecture is a kind of

Ecclesiastical calendar , including the monks fresco painted cells… as opposed to San Marco Venice of the Parade, and the Mint… Duchamp’s own erudition is framed to a dual between his time as librarian in the pseudo classical St Denis library and the the Library of Ephesus in Antiquity which also a banking center was a Center of the world in Competition with Delphi, with a patron Artemis which riddles the Delphi relation of Apollo to Artemis his twin and their emblems the bow and the lyre… In my project I am interested in relating the quantum history on Cosmic origins as it progresses through Pure States and then the Density Matrix relating along the way the Ricci heat equation smoothness to higher Category smoothness per Langlands Category Theory and Higher Topos…. With preliminary relations

established by the 300 or so Sanskrit drawing verbs to counterparts in formal Rhetoric.

the push outwards is interesting per vertices to vortices and an chanelling of Apeirogon like energy constrained possibly to an affine and complex generation to a next generation of rhomboid like translation as in fast paced special torroidal pinch design

Make a painting in pure water and no pigments and take photos before it dries /: ie of the Coriolis effect... (Chinese Calligraphers sometimes make an underpainting so to speak for the character in this way)... What will be the mechanical effects of the Coriolis and Pulfrich principles where the former show momentum transversely migrating spinning in different

directions and the latter shows a pendulum seen with one eye closed as seeming to rotate in space because of a perceived difference in time by eyes respectively... does this relate to particle spin in a universe where thermal effects may have existed in a space domain before time domain or at a skew?

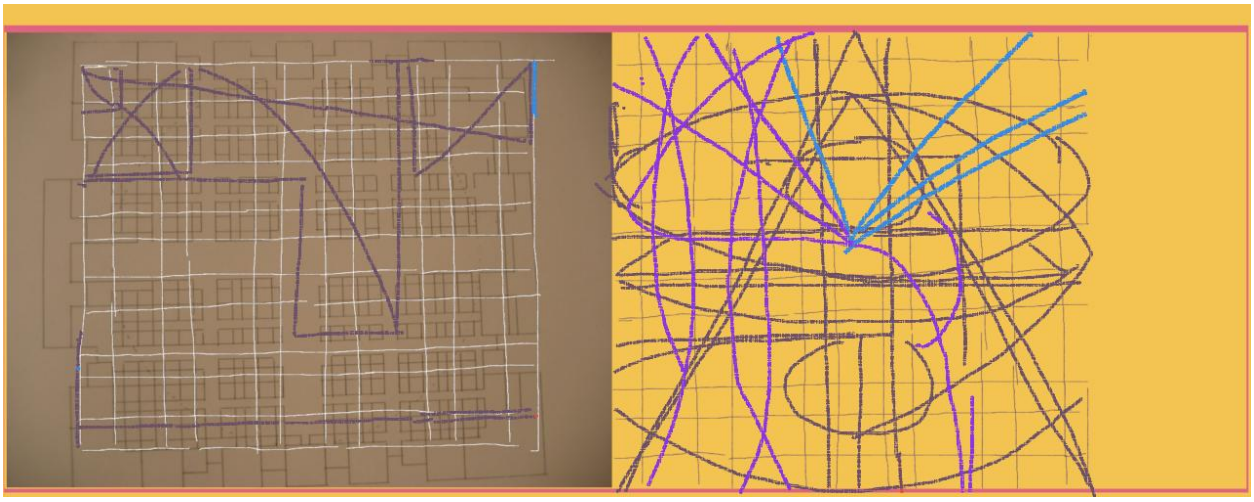
In Duchamps he seems to have indirectly or as seen through our eyes to have taken up something like this question//: (in previous article we noticed the relations of riddles, jewels, clocks from colonial history in Uttar Pradesh and the paralleling per the Large Glass of a Puccini opera as a dual class for these determinants and characteristics up to their morphisms... (the opera seen through a glass don't you know..)...

In the case of the Rider (a piece outside of the Glass itself in an arc form which is a rider on the concept physically detached element of which he appears to have taken the conceptual skeleton of St Peters Model which in half slice view is if seen obliquely tending to that shape and with the lantern riding on the horizon off center... Proust's initial page written as a child on which he formed the rest Remembrance was a like observation and may have been the meaning behind Duchamps note on Headlight Child prefacing the Notes... In the piece 1) the Given, 2) the Water fall Duchamp seems to give the door frame as the history on the Buddhas Jewels from Uttar Pradesh to Peppi family to Puccini's opera and the mechanical water fall riddles the the question we have been asking about the Coriolis effect

mechanically and in relation to the Pultfrich effect

Correspondingly one wonders, how do these mechanical effects relate to fast paced RFT systems ie Fast Paced Specialized Rifled Terroidal Pinched systems...in these a torus form is offset in carrying momentum energies relative plasma...

If on a cone one arrange three torroids as fast paced toroidal systems sitting on the cone with a casimir plate between two and the third torroid relating to the other two as a josephson junction what might be the effects?



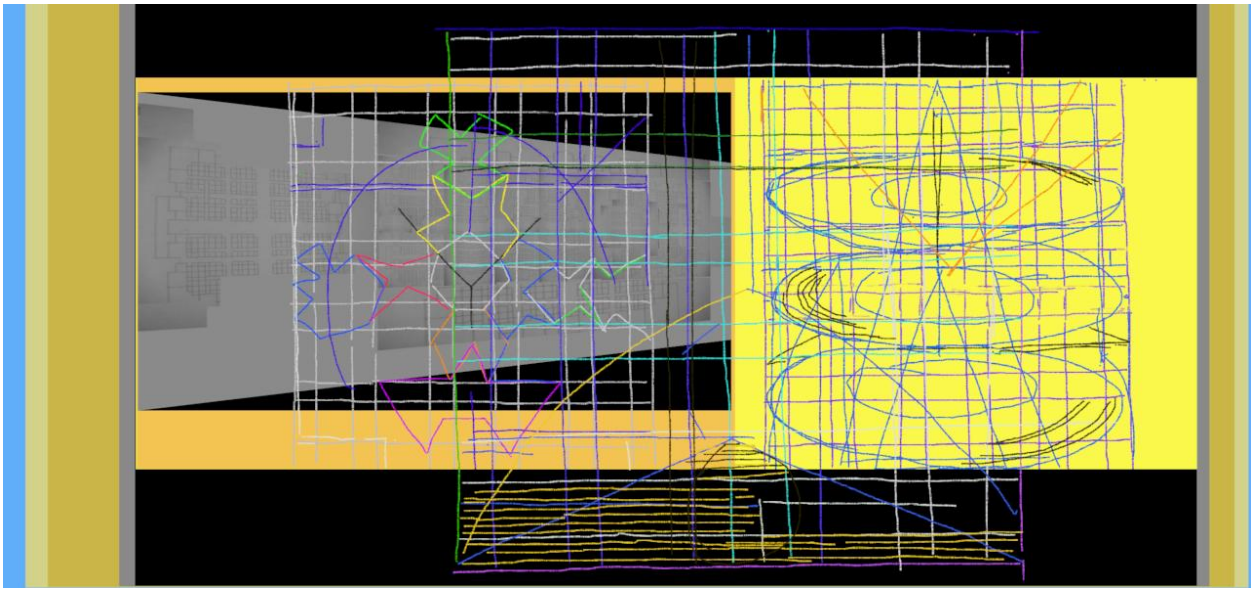
368j3

Dual Entropies Braiding Fast Pulsed Special Rifled Toroidal Pinched Systems

The drawing takes up the very general theme of the comparisons across the smoothness of Ricci thermal phases to Langlands Category theory ,Boltzmann entropy and Shannon Efficiency… at a remove you might compare to Brancusi's sculpture relating the smoothness of Classicism to yet again the smoothness of a completely abstract mode…Here I have simply taken 3 fast pulsed Special Toroidal Pinched systems (in which the electric charge of plasma relates to external environment through a structuring in the torus which compresses the energy into motion form… between two of them I place a Casimir Plate and the third functions as a Josephson Junction and relates the tuning on

a micro level there by to the macro state. At the same time I have indicated the study of degrees of freedom by star polygons in one frame as the collapse of polytope forms to a pinched state and the side Geode style state the degrees of which the final count turns out to be in reciprocal .0073 or the Fine Index….studying out the Boltzmann entropy in reciprocal and in ration to Euler's in reciprocal I get .5078 time the exponential sum and this path of an image so to speak times two is 1.0156 where .0156 is the value of the Planck which also the golden section grid I use is covered uniformly and ..5078 to neg 3 as .712 is in reciprocal 1.4045 times 4 is 5.618 or five times unity plus the golden section module… the mathematical derivatives in general are sympathetic to the sums .65 and .606 or unity plus three times

the golden section for the first and for .606 unity plus the previous...The drawing has at base of second panel a paraphrase of pi developed from a ground striped to measure of which I place the .o156 value while in the torus are distinctions on a similar fine scale of .0019 through .0091 which are the general suffix ranges of golden section value as measured against the grid in their formation...



368l1

Why .0073 ? The Fine Structure Constant to Planck Cosmogenesis Through Toroidal Drawing Out

In previous drawing the theme of toroidal structures [“fast pulsed special rifled toroidal pinched”] modified by use of Casimir plate and Josephson junction supported on a cone were modelled on the golden section grid which permits a logarithmic surface grid which can also be evenly divided by .0156 the Planck … as the surface will be 64 of these then at midline 32 to 32 where also the surface logarithmic grid is Hermitian. What happens if we so to speak crop the entire universe to a single Planck length and

place this In the center of the Grid space for a moment... then restore the grid which will now feature between to representative Planck at center so 31 Xl.0156 +1x l.0156+ 32 times .0156 as even plus prime which we can compare with also the square root of two have complex commensurate duality as .707 odd or .708 as a derivative of the golden section qua 3times .236 where .236 is third turn of the spiral...

Since the original drawing on pulsed toroidal structures had to do with electric current in plasma, and environment the coincidence which finds the fine structure constant close to 1 half the Planck and that constant contrasting in

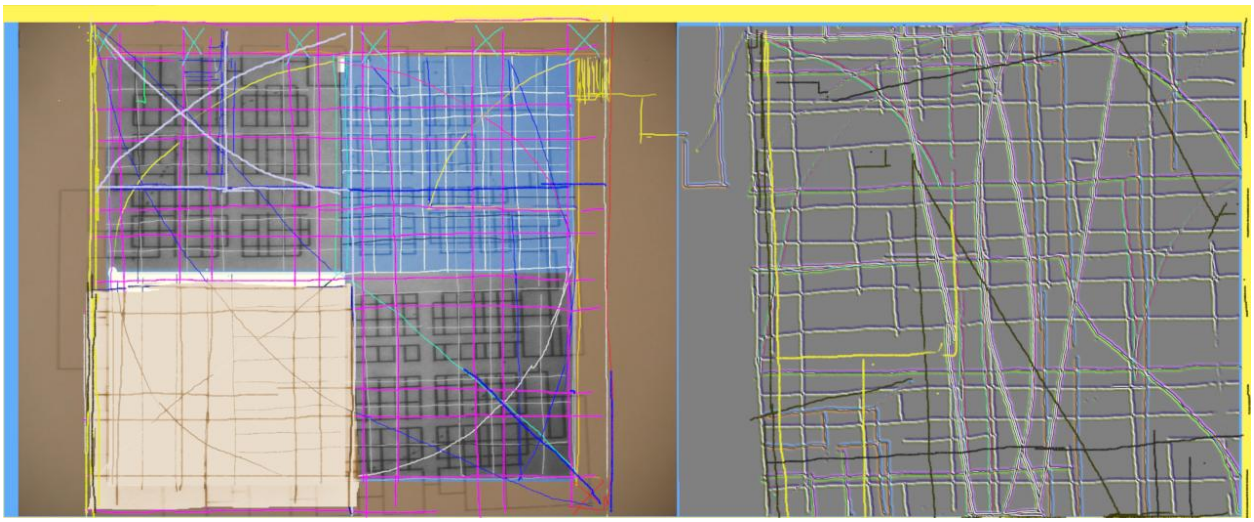
its quantum mechanical identification with the Fine Structure Constant which pertains to Relativistic electromagnetic energy it is never the less in the spirit of Theory of Everything amplitudes to wonder if this case specifically of plasma does not invite an entanglement between the two classes where a spin resonance in the quantum may read and divide the Planck with its half ratio a square root of two indicator at moments of quantum decoherence as reading momentum?

The drawing itself relates an etymology of .0073 in the sequence .0073, .073, .73, .703 and ,7003 where .7003 is the complement of .2997 the reciprocal of C and times three this is .8991 in reciprocal

1.112 where .112 is in reciprocal the vacuum permittivity and at 8.927 this doubled 17.854 or ten times 1.7854 where .7854 times four is Pi... the numbers of the sequence when multiplied by two have the characteristics of 0073 times two approx .0156 as meets the grid surface times 64 and .64 is 1.56 as 1.56 is1.7854 and .7854 times 4 pi....073 times two I .146 the fourth turn of the golden section spiral... .73 times two is 1.46 or ten times previous , .703 is 1.406 in reciprocal .7112 to neg 3 .988 and times 4 4.691 where .691 is 1.4472 or unity plus square root of five and .7003 is complement of speed of light .2997... and the drawing relates .0156 as

multiplied by prime 37 to square root of there, and a relation of prime numbers times the reciprocal of e which itself .606 is six times .101 as the reciprocal of pi squared.. and the drawing relates a variety of primes time golden section neighborhoods to the ordinal tract of .81 as 1.234567 and the significance combinatorially of this to a Coriolis like effect of pidic numbers in complex relation to the seven fold ordinal..

The effect then of Plasmoid electromagnetism and the analysis of coupling strength across macro and micro give us a kind of dust raising of plasma to alternative fluid mechanics of combinatorial Theory of Everything.



368m4

Objectives on Gravity Projection and Higher Dimensional Relation to Brownian Motion in Infinite Time and Space as Cosmogenesis on the Number Line towards next generation Category theory catachresis and density evaluations of gravity as a mathematical image processing and fluid concept .

Music Box and Mechanical Waterfall on...
:where the score and the music ,equally abstract in the mind /culture revolution allow me evolution in the world of corollaries the vantage of an objective to find the groundwork and lay the ground plan for the next generation of Category Theory as taking in the ideas and abstractions of infinity, density, to a cosmogenesis on the number line where to begin with the spectral character of the frame by frame reference in

the score meets in gathering cohesiveness a gravity function analogous to difference between Muybridge photos , film vs actual motion such this latter event marks the line alive the as numerical emergent as well as merely combinatorial character aforementioned cosmogenesis on the

strength equally in the world of corollaries that fronting for example the question one might pose as how do higher dimensions entertain Brownian motion in infinite time? The higher dimensions will disclose a spherical bubble or shell in the projection of say parallel transport visualized to an apeirogon and the circular momentum as the equivalent of gravity is gravity as a fluid over that image processing of mathematical ‘images” which in their log ratio, pushforward

and fall back then define to the curve, the fluid, and this gravity then the progression of the image processing from higher dimensions arriving, world line the bundles and world sheet the tangles the former disclosing the mathematical point as blossoming to bundle structure and the latter to Calabi Yau Petaling as the preliminary necessary routes on finding points as topological to successive dimensioning, where the transition from a twist morphism to a fluidity takes place as a fated necessity fiber bundles on… as Brownian motion meets compactification it is in a parallelism in the transport of the apeirogon which in the condensation to surface then forms the density surface curvature to fluidity at the Calabi Yau and Bundle Hopf fibration fiber forms to tangles and of all these the Hecht

Sheaf of Categories testing Langlands abstraction to a furtherance transformation on the categorical morphology.

Toroid Transform on Conic to Surface Light Cone Dual Modes Split over Twist, Poke , and Slide in the Push and Pull Regimes of Left Right Adjoint Modes.

Through tangle modes and their “gerbs” or higher dimensional input introducing truncated form (relative noncommutative geometry potentially as we shall see).. string theory gives very exact correspondence to Standard Model on the bundle side mathematically there….by defining strings as formed to charge as defined by the motions, twist , which closes a Particle, poke which carries wave oscillation, and slide which

carries a DeMorgan like plane analytic for a plane wave and its image front variety. My drawing has introduced a dynamic of imagining a fast pulsed special rifled Torroidal pinche system as placing three torroi of which between two is a Casimir Plate and the third constitutes a Josephson junction all supported on a cone… an idea which turns out to be a “thing” essentially what is called a Takomat and this allows tuning between macro and micro dimensions…relating to plasma, via its internal electric charge and external and so via the tuning this has overtones of relating the light cone to a kind of cosmogenesis on the number line which I explore by modifying Conne’s geometric reference to gerbs or stacked states of angular momentum conceptualized to slices through the unit ball

and instead transform the conical spiral which may be noncommutative, closing the surface area from foundation point but at an point in time one may truncate or pull the spiral towards the surface... at arrival the concept of Categorical left and right motions kicks in and in relation say to P-Adic, Prime , and Complex moods... at the surface then the loop could be left open, but if closed to a particular state also it can send loop ends in two directions on the surface, and the surface if normalized to a plane can initiate a DeMorgan division on the surface which takes in complement to figure splitting and doubling which can place multiples upon the idea converging in variety towards the center as though mapping a Pascals pyramid enclosed in the cone. If the higher dimension relations evolving categorically are then

related as it were to an apeirogon as mapping the parallel transport the focus of the energy system becomes fluid matching plasma and cosmogenesis history of electro weak separation and also Pure energy as Random to entropy as probabilistic outcome in chaos regime of Randomness/Chaos regime... This becomes a pull down in the relation of String sheets to 3d+1 space as gravity born of the image processing we have seen in the progressions of conic to surface higher dimensional surface information placing and plane wave as cosmogenesis on the number line.

Drawing in Progress notes Drawing in and out of:

Question and Answer Waves Through a Ramanujan Cosmogenesis Generated through Pulsed Toroid’s and Conical Section to Surface Bundles and Tangles

The project which takes the idea of three tori on a cone with a Casimir plate between two and a Josephson junction as the third at this point now considers the cone as displacing Connes unit sphere in the projections space toward surface tangles or Categorical processing of what would be the field quantum evolution into non commutative geometry which via the sections place Hermitian view which is of a piece with golden section grid which can be surface evaluated to .0156 value of plank as one of

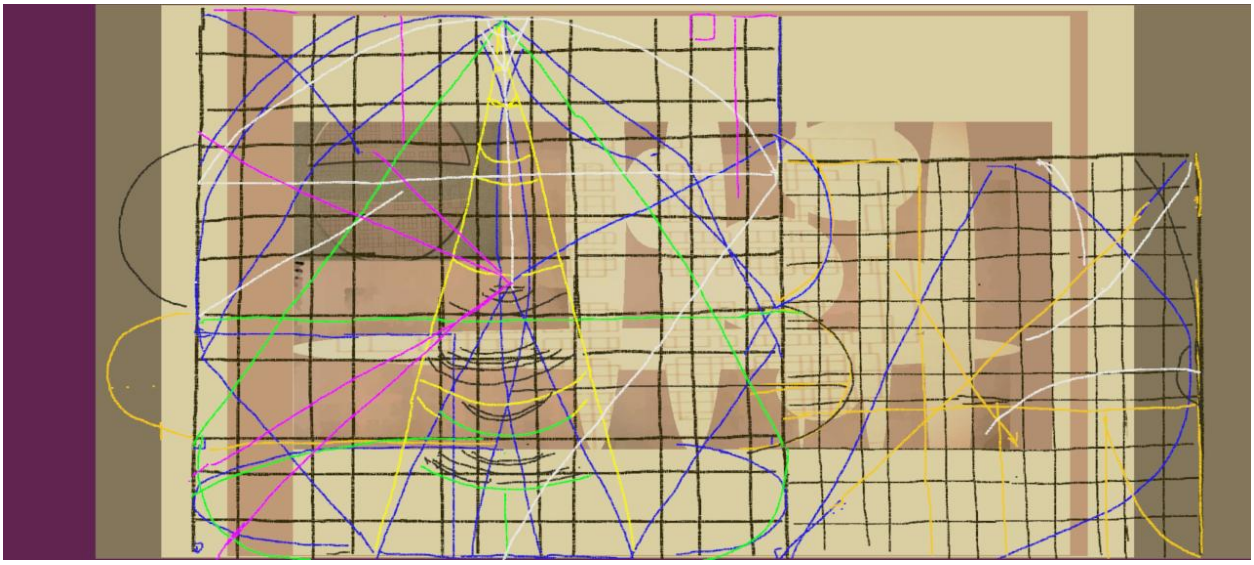
the derivatives…and the cone can then truncate, in it's spiral at any time and pull to surface… and in the drawing there is the indication of tangle evaluation and also bundle evaluation or string and 3d+1 duality…but in a mode taking in Ramanujan's Pi formula as he introduces the terms carried by multiples of 99 which in reciprocal is .010101… and as .101 is the reciprocal of pi refining as it goes along it would seem pi is a good analog of quantum energy as the number which has that infinite variance but in reciprocal plots…it shows diagrammatically as well in that as .707 is multiples of .101 upon the diagonal which defined identities by definition, and it pertains to .606 is the neg root of the reciprocal of Euler's and this in reciprocal is 1.5393 or unity plus three times the golden

section module... returning to .707 then to truncate it by .202 or .101 from ends as doubling yields .505 and this to neg 4 is .918 this to the sixth then .65 or unity plus three times the golden section in the reciprocal 1.5393 where .5393 is 1.854 then divided 3 to modules...this storing of information in pi then is matched in the golden section as the reciprocal of square root of ten and reciprocal of square root of 11 added find .618 and the golden section relation to unity in the ones is analog to that of pi at zeros... while cosmologically The Weinberg weak theta times seven is 1.618 introducing the combinatorial relation of the Legendre distinction.... The usefulness is in relating towards the following idea of anti plasma in which the .0101 would function as a kind of plasma to anti plasma route...

The origins of the drawing referencing a construction on the idea generally of a “fast pulsed special rifled pinched torroid” or takomat in which the plasma is studied for the electrical current within and without, and through the set up with Casimir plate and Josephson junction tuned and open to build line bundles mathematically per a description meeting the string dual of tangles in which a more physical morphology takes over per braiding etc… and the general evolution of the mathematics describing quantum evolution as it becomes morph physical suggest gravity ultimately is the image processing of these wave fronts summing over them… physically… but supposing we turn to instead of plasma – anti plasma, toward the interest in baryogenesis ie where is the missing anti matter in he

universe? One hypothesizes that we could build on the idea of laser tweezers and use magnetic force to suspend the anti plasma which does not like physical containers and as it turns out this is actually being experimentally done to study early universal conditions toward evaluating the C and CP violations... along the way there is potential towards a Higgs Portal, which is that possibly 20 percent of missing anti matter, which through different branching routes and nucleogenesis or a bubble separation of anti matter to those walls as introduce by the Higgs... in generallhas evaporated at some point from our universe could relate to dark matter partially and also retain the plasma conditions we essentially started with...the drawing is essentially interested in how a magnetic mirror trap per the general

construction would affect plasma and how this might be transferred to studying anti plasma, there fore the heptagon and circle motif in drawing symbolize a feeding into an apeirogon the analog of retracing the physical version to the magnetic tweezers form... and along the way, having realized that gravity essentially becomes a fluid the underlying quantum resource by which the anomaly of quantum fluctuation as being localized and not expressing the expected variance seems to lie in the direction of placing towards and infinite density or space the idea of a quantum question wave, which, just as the Bell theorem may be suspended in time, so likewise the question wave may have no answer wave as it decoheres or is subject to infinity resisting the familiar immediacy of entanglement...



368n5

Topos Aer Apeiron

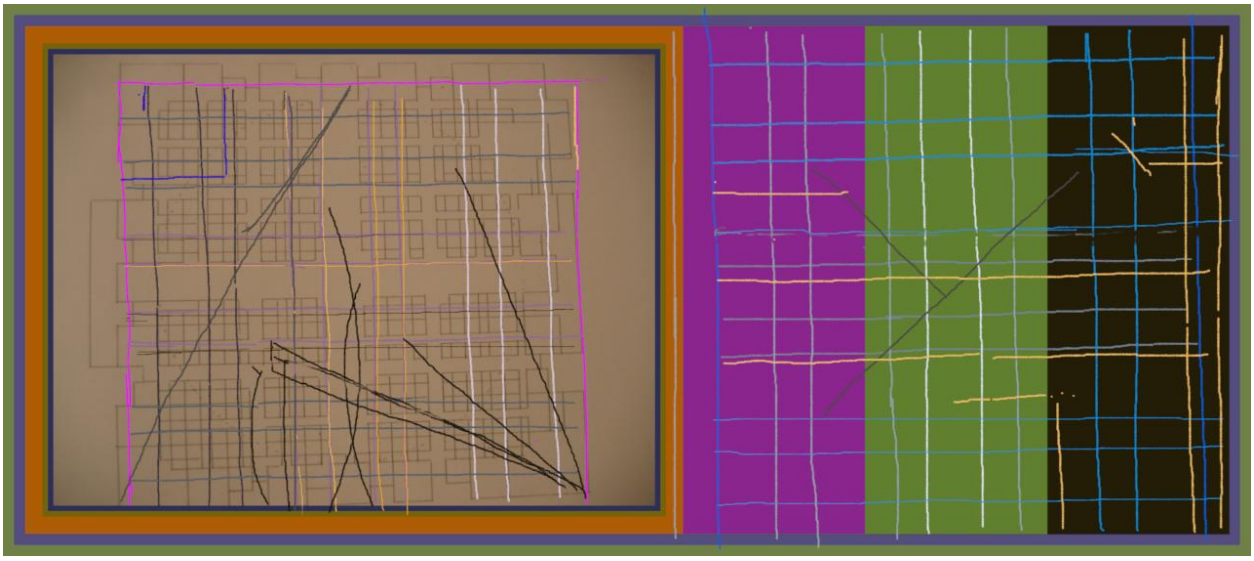
- Monstrous Moonshine &
- Transcendentals
- Golden Section Grid Hermitian
- @ .0156 and elsewhere…
- Time crystal Primes
- Primed Primes
- *primes crystal faced
- Unknown Hermitian on site
- Liquid motion of gravity bundles
- and tangles
- drawing in and out of world lines
- and sheet
- pulsed toroids
- Magnetic tweezers
- Apakoinu Construction to
- Pawawee articles
- Y-cleft blossoming to points

- topological bundles and Calabi – Yau
- Strophes and Catastrophes
- Independent Jets
- Later Bell Theurem
- Exotic DeMorgan
- Identity Pyramid squared and
- Tableau
- Non arrivals on question and
- answer waves
- music box and skhar
- conic covers
- truncated Archimedeans
- .0101 Ramanajan anti -plasma
- Heuristic Heures and
- Aer Apeiron
- Collatz Conjecture, Categorical
-

theory and P-adic

- Left right action and pre space of time and space infinities
- Construction on supertoroids of p-adic form complex inverse form...

I



368p1

Per the Colllatz could one say that two and three represent originary primes, and in their irreducible state, while the number one symbolizes itself and cannot be factored prime because of it’s already unitary action, no action to perform in its recursive originary state… although one might choose for combinatorial reasons to classify it as prime for some process… The difference between two and three then shows one as brane status between them and in the Collatz conjecture multiples of two are an image projection while multiples of three over an image plus one as introducing a brane is categorically not an image in the same sense. But simply refers to a factoring of primes to their origins in two and three conveniently odd and even where one will be definition maintains its recursive self reference by self

editing as this then the explicity procedure of the conjecture?

Category Theory and the Collatz Conjecture,2 Anagrams and Art Proxemics

First the Anagrams... we research Marcel Duchamp and find “Parisian Air” (Bottle of Parisian Air) and realize Aer Apeiron (heir apparent) has been tangentially constructed on the Gothic Book “Tres Riche Heurs” which yields “heuristic heurs”... and this sense aural proxemics he relates to visual proxemics in the rotor reliefs... Roger Penrose in early career came across Duchamp’s Apollinaire Enameled via his cousins early collection of Duchamp and this collection of “wrong” visual cues interested him and his wife into

writing a book on the general subject of such illusions and later we

find his famous tiling carry the idea of art proxemics.

Turning to the Collatz conjecture we find in the world of numerical riddles that a structure on two and three as building blocks, both prime, differ from each other in that the first is composed to multiples as images, whereas in the n times 2, times 3 plus one the second is compose to manifold and one is in the function of a class by itself which retracts recursively as a brane, while two and three factor to their basic state... and we can visit this distinction between dyads and triads to Category Theory which the Stanford Encyclopedia of goes to great efforts to introduce as beyond hom o r star functions

composed in their Triad combinatoric extending that group theory foundation... in the drawing

then I am interested in substituting plasma for air so to speak through using the numbers .0101 ... /: as devolve of Ramanujan's reference to 99 (reciprocal of) in constructing pi, because in so doing then Pi may be introduces as a kind of infinite energy comparable to quantum randomness and as Pi embeds in the golden section between these the zero and unity functions store information...and is structuring in P-adic mode of representation upon rightward structure, ie the expanding series becomes smaller....in the P-adic combinatoric reversing the clock so to speak... and in this sense we might revisit anti-plasma upon

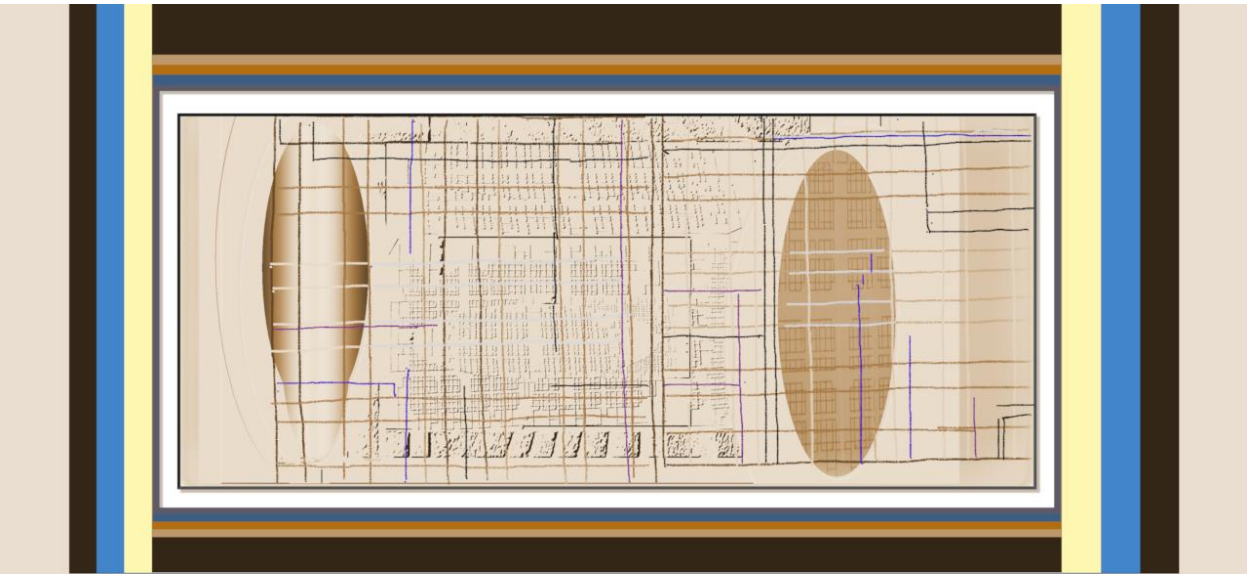
plasma relating to the chaos/randomness inequality and anomalies...

The drawing has traced a route through the number .o1o1o1o1 taken to fourth power then .6472 and this times three is 1.927 a number which gives an interesting bracket of 3 folds as 1.927 as doubled gives 1.854 which is three times the golden section module and 1.927 is .65. +.64 +.6336 of which .65 is unity plus .5393 which is in reciprocal 1.854 or three times the golden section module while .64 is 1.56 where .56 is 1.7854 and .7854 times four pi while also the complement of .2146 the reciprocal of the Feigenbaum...at the same time 1.854 also = .718,+.618+.518 where .518 is 1.927 and .718 plus 2 is Euler's or 1.1 + .618 where 1.1 is the reciprocal of Euler's time 3...

On the Dyad side the drawing references Euler's as in reciprocal squared .606 of the .101 group where .101 is pi in reciprocal square and divided ten is our plasma representative of .0101...

And .606 has complement .394 which times two is .788 or square root of golden section and reciprocal of .788 as 1.27 creates a binary series of .3168 or reciprocal of pi times 4 of which half is .6336 or unity plus the square root of 3...

The drawing also references .81 as 1.234567 in reciprocal giving the ordinal tract of also Legendre's 3 force cube and multiply this by values of the .1010 series... and .81 times seven is 1.6708 approx where .6708 is three times .2236 the half of .4472 square root of five parent of golden section...



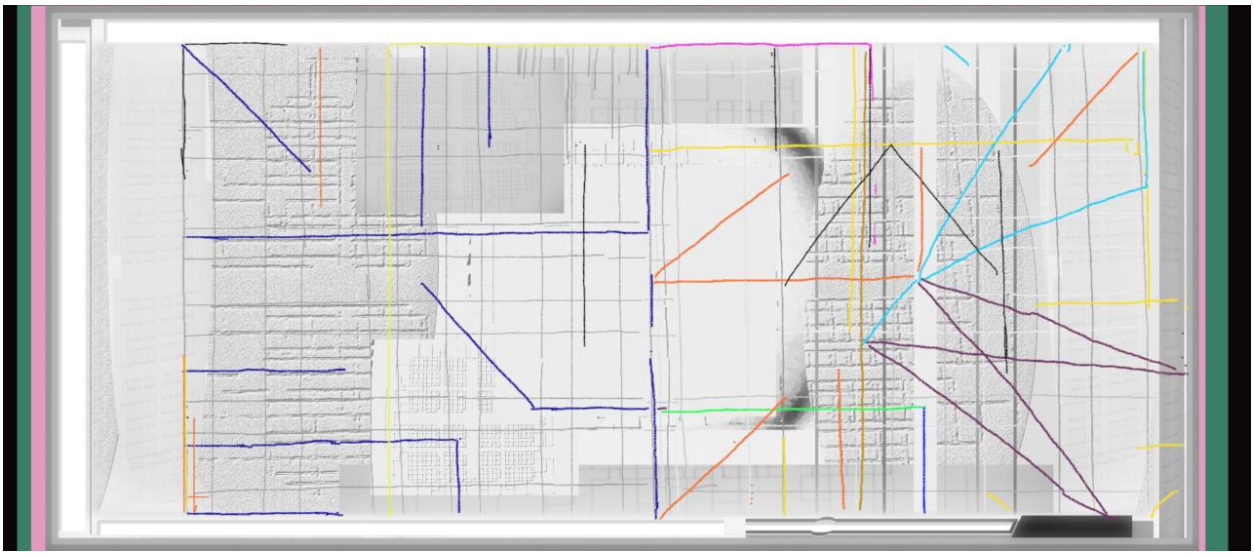
268t7

Poly-physics of the Pictorial Pi, Quadrant, Diamond and Big o/LittleO Categorical Hamiltonians

In terms of a Bohm like “Rhea Mode” or raising to view a construct the drawing is interested in how the solution to an elaborated approach signifies over the solution the evolution within the work by which the principles engaged seem transformed to some degree in the process…The general schemae has been to consider a Takomat or plasm condition relating charge therein to environment via “fast pulsed special rifled pinched torroids” (lightning bolts for example are “pinched structures, with a Casimir Plate between two and the third effectively a Josephson Junction

all mounted then on a cone as emphasizing potentials and tunings, with a mathematical relation to Ramanujan's pi theorem via relating .010101... as signifier for a plasma condition, and taking these to a relation within the Collatz conjecture by which one perceives the primes 1,2,3, as primordial to one as brane in the general factoring and then relating this to left and right categorical directions over 3-adic form and giving these a priming to 27-adic where 3 times 7 base ten is 81 and .81 is 1.234567 thus a nominal tract which I relate in base ten to golden section alleles in a complex process all of which then in the end emphasize the degrees similar to basic Hamiltonians of rotating pi via quadrant, Aso finding to quadrants norms, and extending normalization to sheet ratio, then to centering , and then to diamond form

as projections and inversions. What becomes new about the process is it's scaling and bounding of normalization as relating to inverse infinities of different scales and the variety of the normalization as carrying the record of their Categorical process much in the same way the algorithm may harbor the logarithm and the logarithm storing information to unity just as the .01010 notation makes similar use of the zeros...



368u4

Seems like you could plant a star collapse form of polytope within it like a torroid and relate to levels of i rotation to normalization schemes per centroid, gnomon, ratio, subratio, and jets or rays from limits of field and of centroid intersecting which would create from 3-adic to 27 to 81 the division algebras coinciding to @ .81 the 1.2345679 ordinal tract implying fourth dimensional information over origins.. and over these fields as normed indicate their Categorical process up to the monad upon which then the graphing to noncommutative gain losss per the rays can be formed as yielding to transverse field cuts or branch grouping with a condense x like notation as the string compactification proper over the previous

left right compactifications and left adjoint as immersive submersive...

f one takes a 3p-adic morphology of left and right ordering and introduces a 27-adic fourth dimensional quality and the completes a monad frame of p-adic 81 entering the branching point of division algebras and relation of category construct to varieties of normalization can the relation of graphing non commutative relations as ribbon and braid sortie on gain loss right left morphologies be reviewed to cosmological origins of time and space separation and then expansion base fusion become at anomaly per world sheet to world line limit and entry on quantum randomness and gravity problem where the incommensurate

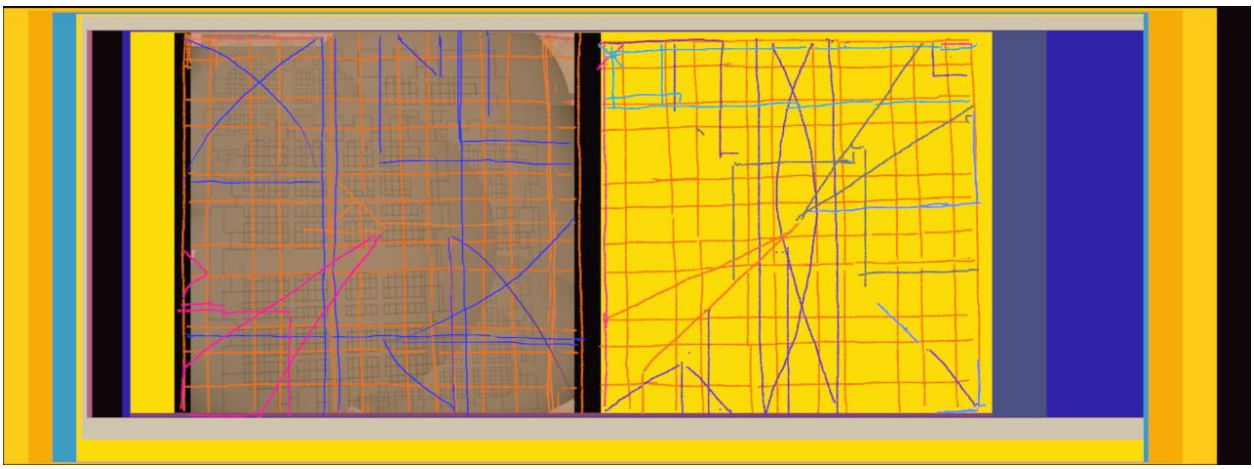
infinities of atto time and macro space may indeed likewise braid and ribbon relative vaccua relations perhaps or other...

The Difference Between Them... Topologies in the Categorical Differentiation of Infinities

The drawings resolve is to summarize over the topological shifts with both canonical and asymmetric morphologies of a golden section field branching within the natural compression and expansion of multiplication and division as they categorical bring 3-adic, 27-adic and 81-adic through linear to dimensional to 4 dimensional to monadic completion and from these left and right reciprocal domains the post division space of ribbon and braid construct where now gain and loss structure mark non commutativity, these last in the drawing you see as jets or

rays from corners, and this is also part of the variety of normalization as categorical, namely ratio to field, ratio to quadrants, centroid, edge marked, field restaged , and the jet forms with also measures to diagonals. The difference expressed in series may be thought of as stripes and these as they become different from the Planck as a level may be concealed in the areas as projected… the drawing works from values close to Planck but descending and projecting in variety from two sets of golden section suffixes as a matrix over which their proportions also are projected over the various Categorical normalizations. These relations to infinite structures and their braiding of macro and micro suggest a possible morphology over the quantum anomaly of codefining infinities creating

Categorical Constraints in variety of transpose between time and space domain.



368v6

Relative a nesting of circles to base in square and then of complement area the complements of all nested placed in a target form:

could we say the form compares to a Hopff fibration and/or compare the first to second order difference between Dirac operator and Beltrami say in relation to noncommutative geometry and even relate to bounded and unbounded clauses a bette/Alleph or surreal to hyper real dichotomy similar perhaps to a structuring of Duchamps roto reliefs possibly relating Apllinaire Cicle packing to "Apollinaire Enamelled" as the malic mold so to speak of an Appollinaire anomaly?

perhaps "matter" as a group itself qualifies in it's whole as a kind of particle and that's the monopole hiding in plain sight?

Categorical Triadic Frameworks& Liquid Gravity through Fair Game and Randomness Theatres of Incompatible Infinities : So- Seeing the Split Mirror Apollonian Circle Packing and Attendant Anomalies

Per Alices' Unbirthday she was introduced in the parable to "surreal Mathematics, (surreal birthdays meaning birthing of categories) or the categories which enclose categories of the infinitely large and infinitely small in Connes: "fair game" Whereas those two infinities are termed Hyper real and are a kind of comb... this the "comb" in Duchamps Ready Made collection...(the term ready

made collection requiring a separate category per Surreal mathematics fair game warrant)... the unbirthday in conclusion: introduced the necessary opposition into the equation just as entropy introduces probability past the quantum...as an induction which we will see has resonance to interrupting the heat equation...thus the cautionary tale...

If one takes a ycleft or peace sign shape as a model for three dimensions this will indicate for example how familiar three dimensions influence quantum numbers, or the construct of Calabi Yau , Hopff Fibration etc.. and in those spaces one might place different polytopes as different degrees of freedom hinting at

string vacua… or one could place in the spaces a verbal content indicating different Categorical Theoretic spins through also various normalization schemes…

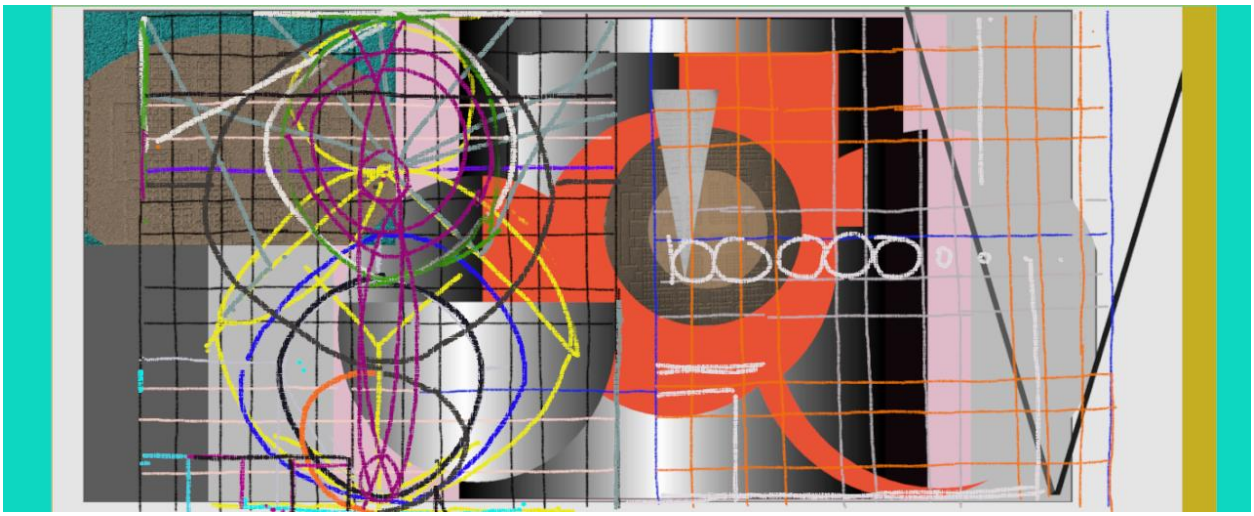
The drawing works it’s way through these ideas… and finds the peace sign has a mirror vertex, and the indices of vortices of centrifugal content in the construction of mathematical rotation e.g. Baez and 3 force law or a combinatoric occurring to placing squares of integers in complex space figure all in various attractor actions…at incidence…become a kind of shuffling which was revisited famously to Alice once again… the drawing per se of a relation between world line and world

sheet become referential to the familiar linking Langlands where bundles in space time relate vacuum expectation in String theory tangles and the bosonic to fermion realms relate “a” on the time space side to vacuum expectation v/ e on the string side…spectral to automorphic or geometric to algebraic then. As the Schrodinger equation progresses through Hilbert spaces toward noncommutative or gain loss scenarios there multiple mathematical normalizations and these may be thought of as Categorical… By Conne’s noncommutative Geometry a wave front separates from unitary form to become modular in a topological morphology, but then again returning to

Langlands again and an optimization per the Heck Sheaf analytic, there is a kind of wraparound that one could see as relating all that future nevertheless to unitary normalization in a rotation of the mirroring triadic wheel so to speak where the ribbon graphing is translated as an overall torsion in the process... as one may in the Heck sheaf mode give a kind of cross section thus one visualizes say a Hopff fibration as anchored to base and in the complementary space of confined field square place the complements in a target form thus Apollonian circle packing to limits or if not, then a gasket...the relation between surreal and hyper real infinity to infinity also Bethe Ansatz and

Alpha…which Feynman had written on his study board when he died… the argument in Conne's theory is that Dirac element relating his algebra and Hilbert elements was first order and building over this only is possible… from his view…but we have introduced the Hecke variation and on that note the reflecting ycleft can be thought of as the gradual inflection on the mathematical Categories from bundle to tangle an increased physicality which then seems well suited to describe a gravity function, gravity as a kind of liquid…as its monadic status returns upon Dirac's observations on a magnetic monopole per the spin status explanation of particles needing only one such to

explain the field result one might opt for the entire matter field as a single particle but disappointingly the universe is neutrally charged leaving then the reality that it is indeed the microscale which is in fact magnetically charged... the drawing hypothesizes then that the mismatch of atto level infinity which would leap from a mere macro and might be considered per question and answer waves to place the distance of reception to impossibility like an infinite pause on the Bell theorem but yet , just like the Klein bottle like effect of electricity find gravity giving a structural quantum threshold which identifies that magnetic monopole at very light signature...



368w3

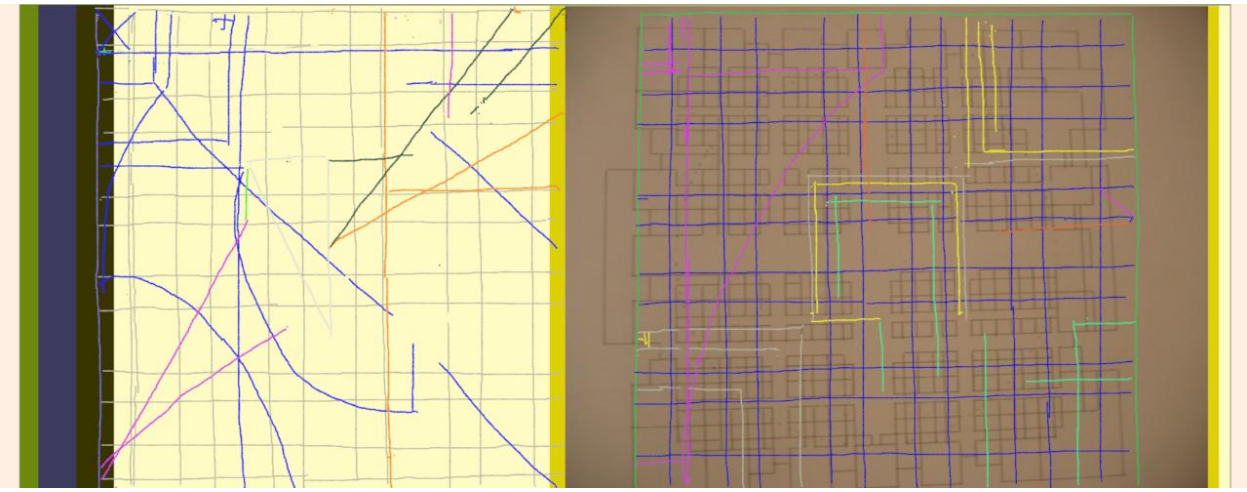
Atto Epochs of the Bohemian Bohmian

The time scales of the Expansion epochs e.g Early Planck ten to neg 43, Grand Unified 10 to neg 36 and Electro Weak Seperation sum in ration to .0995 and this to neg 3 as .56 and 1.7854 where .7854 times four is pi suggsts the three fold turn of event source of dimensions on one hand but most strangely the reality similar to Plato’s cave and it’s relation to a Heraclitus fragment on signal fires leaping island to island is that the electro weak separation makes the photon a shadow of its own event and the rest likewise a cascade of shadows in relief a kind of color on the events… and in terms of thinking about quantum events the

nature of that which is not but is a kind of medium in the shadow of its existence capable via magnetic excitations of producing our physical vision and then our inner... and how we use that vision to grain our perception of mathematics on establishing say the mechanistic La Grangian and then again the sourcing to higher dimension on the strength of the clause that quantum fields have been stretched into existence via expansion and space time itself emergent thereof...

Push and Pull of the Atelier Etale Redux

The Hans Hoffman Push- Pull in the drawing interest is sited to a reflection on affine projection of surface differentials on the golden section derivatives where the various normalizations of physics related to art mapping to surface finds the moment of departure where a single line changing color and covering surface become the affine plane. The right hand section is quoting a summing over the exponents of the Universal epochs in their nano second ratios which interestingly at negative exponents on that sum loci into the golden section grid...



3683

Priory to reading Lurie on higher topos can I surmise multiplicative image compression and division quotient space to some degree organize moduli stacks whose cross sections through Tits Towers and Langlands Hecke sheaf arrange ribbon structure as intersecting those in their variet of relating noncommutativity forward?

comparative scales: art goes from coarser to finer spectrum... but nature via the Expansion over quantum impurities introducing entropy goes from finer to coarser and along the way fuzzy numbers are catalyst upon discrete representation towards boosts which give the recursive indexing...meeting ribbon non commutativity as energy recognized to randomness composes a conservation nested to

geometry with anomalous structures a fated necessity and Categorical Review...

Per Cauchy Theoryum and Gabrielles Horn towards granular time/ per fluid dynamics if chambered this and dropped marbles through an hour glass version marbles of various sizes the granular view of time expressed in an hour glass might reflect on the entropic speeds analyzed all the way to the quantum with what results one imagines ? seemingly per time redux and Gabrielles Horn a lense on the lemma of the dilemma of the anomaly...

Orientable Pre-Space of Category Dynamic in the Parallel Art Space

There is a pre-space of Category Theory which can be deconstructed: simply put : a genesis from poetry, to theatre, rhetoric to math and so to physics... if we begin in the middle with math we see the analytic towards mechanical function playing the part of habitable design as it were forwarded to wherever It may live...has then that involved analysis which indeed proposes a kind of inbuilt world but for which also there is the co-committant cobordism of higher dimensional analysis , theories built upon theories where we see the pattern of Category Theory

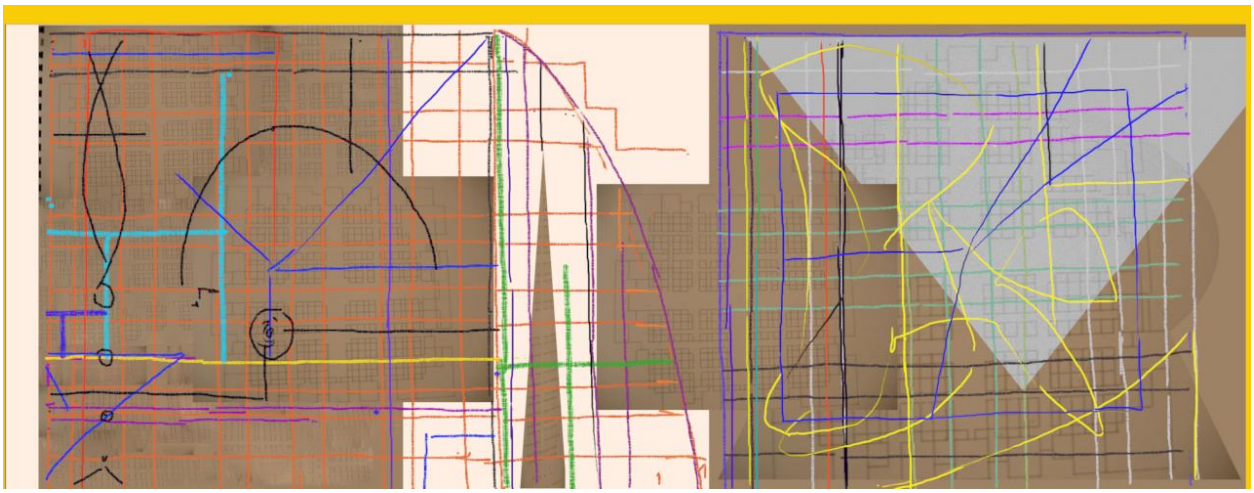
emerging… and borrowing the left and right functorial arrows we notice that in this theoretic domain where for example mathematical bundles gravitate to braids and tangles the increased physicality is become more verbal as well returning to origins in the sequence or pre-space we laid out…(and this ‘gravitation” may indeed propose towards a theory of gravity itself on the strength of that emergent physicality and time reversal)…(in art which we have placed as odd-man-out the relation is formidably skewed to the 300 drawing verbs of the Artificial Sanskrit language in which lives our own in many lives…of European and other languages (e.g. Hawaiian for one)…In the

case of Jackson Pollock then the automatic drawing or painting as drawing resists the order of a “fair game” walk (randomness /chaos distinction in our quantum age would forbid “random” walk)...so this Pollock walk forbids chaos also actually (Penrose describing his daily walks as always looking for a new route states he feels a kind of shadow and his infinite tiles perhaps a version) relates closed and open loops as a riddle on the enclosure of his field...Hans Hoffman on the other hand of Push and Pull theory gives the mathematical push forward and pull back the mapping activity shared of math and art to surface... is one line short of stripe theory... The Barnett Newman

Stripe has an inevitable quality which Robert Smithson observed and in the drawing here I give an inflection:

The drawing groups goldens section derivatives in variety but enclosed to a containing log form while the differences between them are indicated as stripes on another panel..... topologically overriding this is a genesis from Gnomon like forms which as arranged to contravariant left right orientation could read as Dirac matrices of a sort and over this is another topological departure to centroid structure, over this another normalizing of ratio to surface and as these areas diminish another order is indicated as

affine to the surface by introducing the color line traversing the surface... relative this another topology of jets or independent functions marked to corners, and grouping of anticommutators to a ycleft formation carrying Pi, e, and golden section structuring over the observation....thus this field of topological variance and normalizing functions reach into the roots of the Categorical evolution as a reading into that pre-space and its emergent dynamic. There is also reference within the group the Tits architecture of cone sections or chambers transmitting the issue informing Langlands Hecke sheafs...



368y4

Reading Tangentally Constructed Co-Chain Tableaus on Unity through K-Tuple Monoidal N Categories :Simulacrae vs. Endomorphism

Between quantum frame front measure and topological torsion or heat in Ricci curve mode, Betti holes and Poincare levels the graduation of point measure on unity Categorically is shifting endomorphic functors to Monadic in an inelastic context shredding in the adapted Shroedinger where in the smooth analysis at world line and space time orthodoxy move from bundles there to tangles in the world sheet and this monadic transition through Calabi Yau to

K-tuple Monadic N-Categories has the effect per no clone that a global view positing unity to quantum randomness would effectively state , then, globality as locality, there fore that proposition not standing. The handling of the Uncertainty principle over topological isomorphic to diffeomorphic to endomorphic turns on a transition from reading De Broglie distances not only topographically but as destruction relative for example proposing a “Constructor” where the photon emergence as a shadow of the destruction of the electro weak gives an example, previously the coupling of space time was so to speak a destruction of their non-coupling and randomness

quantum to deterministic chaos become the working paradox of siting the co chain simulacrae read in the construction or constructor elements on the conditions of experience.

problem of reference... a global quantum would then be localized and similarly a "universe" particularizes...what is the term for the underlying process Bohm refers to which would be an infinity substrate to pilot wave? similarly that which which endows quantum fields can not in itself be a field but as completely random defies expectations

If the Born rule is like viewing the uncertainty principle with on point of arc on time and another space where a view on one axis localized extends the other infinitely and point of reduction to minimal of angle then shifts to a string dimension shredding points to now an open loop which possibly then does a a kind of string walk potential flurry of shape shifting through all possible dimension until closing on one cobordism could we then as well as realizing a categorical map exists already in this dual then consider the Bohm's Pilot Wave on the strength that for the Implicate order he provides also a Super Implicate… from the standpoint of it's spreading base

which give a view on Expansion Then and Now would the flurry of string vibration shape shiftings granted for the sake of theory infinite possibilities be the more viable in the expansion context and the super operator be now in context a series of spreading cells, ie from one point of view, K-Tuple Monadic N- Categories or from a Langlands or Tits building model be stacked sections but infinitely spreading or else in a Category of Categories suspended clause? Up along all this way then the co=chain simulacrae as they relate the conditions of experience to a frame front carry with this a potential to sound out the problem of reference ie the quantum itself endowing

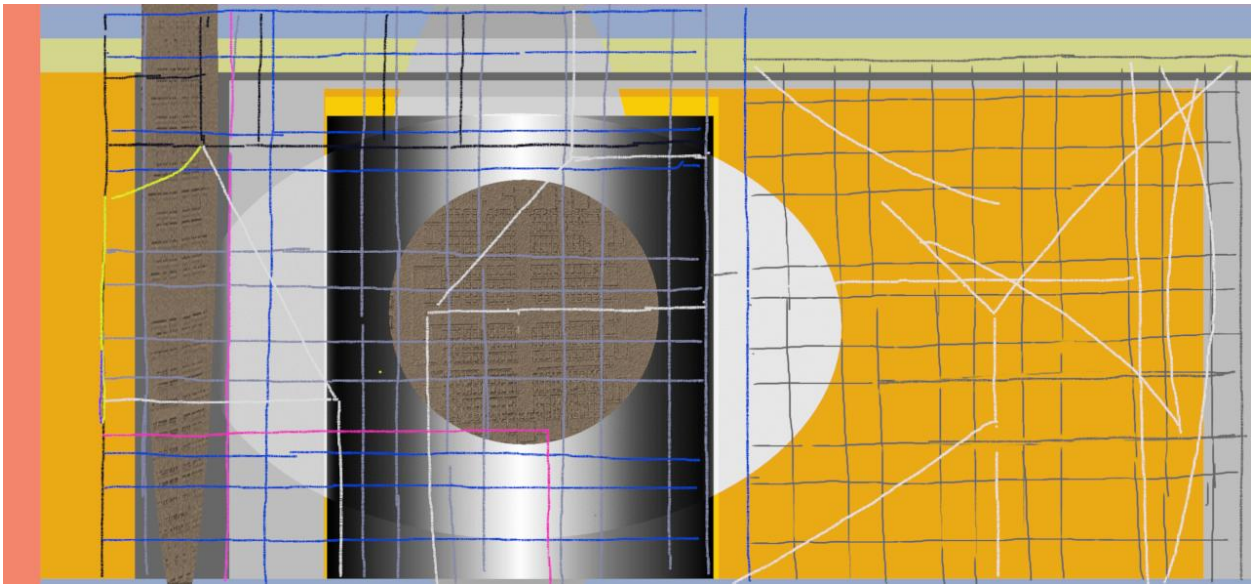
fields as quantum cannot itself be quantum…marking the singleton aspect of the spreading pilot wave with a kind of preliminary knock on the door of a Category theory?

The Task of Constructor Theory

Towards the “holdings” of the museum so to speak of the Standard Model Constructor theory is a bit like Institutional Critique in art and it holds to“first quanta theory” and the smooth heat wave theory but somewhat like the architectural “set back” or pictorial cropping it creates the task as the frame front of it’s questioning… yet also in interesting subsidiary aspect of the given task and one intuits the gesture it makes towards sidestepping second quantum by referring it to a next generation which I take to be Category Theory of which then

Constructor theory contributes its own identity as indeed a “task”.

This is the opposite of Smooth Geometry



269a1

Bigo and LittleO Razor: and the Super Implicate: Reimagining the Task Force. Thinking Things in the Einstein Paradigm of relating atomic, biological, cosmological forces to thought experiment projection shaping experimentation yields over Russels Paradox to Category Theory ,Bell’s theorem and its potential time delay, particle order and time reversal, Turing Machine and Condensed material Physics a clause entered on through Uncertainty principle where the tendency of bundle to tangle theory to become more physical endows the modelling in the toy of thin material research the

bridge to those scales a task and test mode initially localizing to experiment must face the knowledge theory link growing towards relating those things which are passing simultaneously through normalization frames which as Categorical also relate to expanding the framework of what is testable as interest in New Physics relating to toy world localization bridges Big o and Little O or the macro and micro scales which by one argument on testability are brought to testable frame of reference as the normalization scheme...seemingly invoking Ockhams razor... but via the dynamics of an expansion principle, the Uncertainty Principle, Thought

Experiment, Physicality duality, Knowledge to Inverse Approach (relating to the seemingly unknown as the counterpart of anti matter ie a necessary complement rather than edit… the inevitable Category Theory finds editing duality is not held separate in it's *findings*

From its first order field of open questions…by building a knowledge base on those findings only but simply given the open questions amplitude including those theoretical dynamic the set thought to set aside… else they would exist to be approached at another time or in another way but that is not the case… they remain implicate and for this Bohm reasonably designed the term Super Implicate

I have observed that .81 as 1.234567_9 gives an ordinal tract and this covers I have learned then the p-dic relations through dimensions 1,3,4 and the completing monad which states the Division Algebras and hence the loss of commutativity... if one compares this to Walter Russels Crtysographic chart and to Prime Lattice Cohenerence those states seem to create a filter of commutativity: would this filter state at the change in commutivity to Quantum non commutativity a branching to the ribbon structure which implies that anti particles may have at thermal depletion

and universal expansion been funnelled towards the ribbon side and this suggests what we cant see ie the missing anti matter seems well suited to be in sites such as black holes or better black holes as the point index on the world line relative calubai to string vaccua petalings and that within string dimensions would be the right channel for antimatter?

Creation /Annhilation Bifurcation as Topologically Enforced World Line and World Sheet Duality : Fibonacci Anions to Buckminsterifullerenes as Compressed Material Physics Toy World Amplification and Category Theory Modelling

The mathematical sorting of the Legendre 3 force principle arrives to Graphfullerine where that material handles the lattice structure not just as sheet brought up atom by atom but by the induction of a twisting that creates the equivelance by raising the levels of some and creating an architectural halo structure... the principle is a mathematical necessity in sorting by which cubes in lattice must shift in complex transpose at the value

seven and this becomes a topological forcing in the mathematics in which the compressed materials physics handle the state of induction either by a particular excitation (like for example Magnetars in a different context) or by shifting to higher dimensions... The compressed materials physics does the same thing in different materials but through more direct layering in the creation of Fibonacci Anions relative vortex where the Fibonacci anions maintain a locality while the vortex become dimensional extension and these are the dual form of world sheet to world line

The generation of potential or what is or is not possible seen through this lens

introduces both a sense of cosmogenesis on the number line and a toy world model as mathematics forces a topological sorting into higher dimensions whose direct modelling relate quantum potentials and resources with string and Category theory to a kind of Institutional Critique to borrow an Art Movement as it applies to the evolution in this phase of material mechanics to a Super Implicate as Bohm intuited.

To that effect as well I have observed that .81 as 1.234567_9 gives an ordinal tract and this covers I have learned then the p-dic relations through dimensions 1,3,4 and the completing monad which states the Division Algebras and hence the loss

of commutativity... if one compares this to Walter Russels Crystalgraphic charts and to Prime Lattice quantum means those states seem to create a filter of commutativity: would this filter state at the change in combativity to Quantum non commutativity a branching to the ribbon structure (noncommutative graphing) which implies that anti particles may have at thermal depletion and universal expansion been funnelled towards the ribbon side and this suggests what we cant see ie the missing anti matter seems well suited to be in sites such as black holes or better black holes as the point index on the world line relative Calubai Yau to string vaccua

Petaling’s and that within string dimensions would be the right channel for antimatter?

K-3 Moonshine and Primes Primed Since Primordial Time Crystal to World Sheet and World Line Blackholes Merged Towards Gravity Fluidity per Higher Dimensions

Is a broad introduction to the Drawings interest in relating affine structure to the prime groups of exceptional order known as the Sporadic group specifically Mathieurg group

as primes may be mathematically related to particles analogically and the sporadic groups per Mathieu to Calabi Yau from Dynkins association suggest string thus between the two world sheet and world line the relations of affine algebras to allelles and etale groups and to stabilizer groups as semi affine where stabilizer groups relate to Maximal subgroups etale like give a broad compositional base which it interest me to clarify relative the image processing of strings and faithful representation

Drawing Pixel ,Quantum Dot, and Kernel as Monstrous Moonshine Higher Dimensional Image Processing per Allelle /Etale as the Architecture of Afine and Pseudo Afine Spaces

The Quantum Dot enters the vocabulary of this Drawings probe of higher dimensional analysis between world line and world sheet being in and of itself a form of drawing in categorical sensibility of links , bridges and their commutators. Thus we can encounter the quantum dot as just such a commutator in it’s role as a “programmable atom” : for we see the World line per spacetime as it descends below the level of the Planck to find metrics become essentially black holes,

and this density can be programmed into compressed materials as structure singularities to enforce or bypass, inform and control via higher dimensional analysis and on the World Sheet side of string theory these at ground zero are an infinitely dense field of Calabai Yau Petaling as the mathematical point transforms into the covering of distance as process-not-metric. The Calabai Yau structure is informed by a fluctuation through Riemann non trivial zeros and terms allelles and etale groups in the title refers respectively to analysis which uses primes as particles in their discrete structure while Gallois etale structure or information groups with local structure

neighborhoods generate affine algebras which the drawing maps to pseudo affine or stabilizer Groups which have etale like Maximal subgroups in the Monstrous Moonshine link of Sporadic Prime groups and will specifically construct off the Mathieu 24 group ...which strongly composes to Calabi Yau in a fifth to sixth dimension structural bridge from which then one can launch into the string dimensions as sorted... (this sorting and placing of constraints happens to be through prime number analysis)

But first the quantum dot venture should be given the drawings context which is a Hermitian golden section grid which can be surface covered evenly by a derivative

which is .0156 and thus the value of the Plank at the drawings normative scale square field and is the reciprocal of 64 thus a perfect square, and the drawing will compose and sort to towers of square matrices 4 through 64 and which are represented as a torus which links the face grid to tori stacking exactly those dimensions thus to the 64 th dimension minimally... The specific torus value is derived from Mathieu24 which at an exponential on its reciprocal to inverse is .703 and this relates to a series .0073, .073,.73, .703 , .7003 the first entry of which is the fine structure constant and the last the complement of .2997 or C the speed of light while .703 in reciprocal is

1.4224 where .4224 is the complement approx. of the square root of three in its reciprocal .578... the inside out structure of this compares with Russel's Crystaline Series of 432101234 where in the Russell the values 4 and 8 coalesce and the others are transitive, and the orthogonal inverse framings of these are like those of the Riemann non trivial zeros, this fluctuation field then the mode of quantum factoring into higher dimensions and in relation to this the series from square matrix 81 at .81 reads an ordinal tract in reciprocal as 1.2345679 which as it passes through 3,9,27 and 81 composes the field of Division Algebras and loss of commutativity up to the final

monad at which point is mapped the transition from world line bundles to string tangles and ribbon structure to quantum non commutative geometry and higher topos…the editing of the field composes to the Legendre 3 cube force law on which there is a combinatorial shuffle in the Analytic continuity and the series would seem to show the anti matter counter part of the Russell crystal-formative…

The drawing appreciates the advent of compressed material researches as enforcing a sense of cosmology on the number line as well and turning to cosmogenesis the first crystal would be a time crystal at the separation between

time and space in the Lost Microsecond regime and considering then the Expansion which found then the co-definition the interest of the separation of the Electro-Weak in which the photon is a shadow of its own history of destruction brings this sense of de-struction into the Categorical mathematics and relation of affine algebras to quantum randomness vs deterministic chaos...

So to briefly summaries so far :The Gallois Etale to the prime allele informs the process where the former relating to subgroups which inform and shape a process and the latter, the allele refers to prime constitutents used mathematically to model the coming together of discrete

wholes as markers in a creation annhilation context like particles... and along the way then affine algebras as the mathematical Categorical bridging occur in a context relating bundle theory on the world line side and tangle theory, knots, ribbons towards the non commutative string side...

To stage this toy: the following numerical strategies occur to the Drawing:

The Legendre 3 square theorem which finds square roots to lattice have a combinatorial shuffle a not a sum of three integer squares if factors of seven or 8 show the necessary complex shuffle of six... therefore I have taken 3 primes which show this exception ie 23 as 8x2 +7

and 42 as 8.5+7 and 71 as 8.8 + 7 and noticing then that the relation of 23 at decimal to .236 and .42 to .427 and 71 to .718 show a relation to those golden section numbers where .236 is the third turn of the spiral and .427 times to is .854 where three times .618 is .1.854 and .718 is to neg 2 is 1.118 and doubled 2.236 or square root of five parent of golden section and the suffixes charcteristi of golden section derivatives .0019, .0028,.0037,.0046,.0055,.0064,.0073,.0082,.0091 following from square root of 10 in reciprocal summed to reciprocal of square root of 11 as .618 closely show these primes as picking up those closure terms...not the least because of an

embedding principle by which three times the interval between the reciprocal of square root of five as .1056 times three are as .3168 the square of Pi and the square root of the golden section embeds that number times four...

Turning to the golden section grid which is evenly divided by the value of the Planck I also pick Primes whose multiples of .0156 are golden section these being .o156 times 37 as .578 or square root of three where where reciprocal 1.73 finds .73 times two 1.46 or ten times the fourth turn of the spiral....0156 times 59 which is .927 and this doubed 1.854 or three times the golden section, .o156 timess 41 which is 64 which is .0156 and as .64 is 1.56

where .56 is 1.7854 in reciprocal and .7854 times four pi while complement is reciprocal of the Feigenbaum...and .0156 time 57 as .888 in reciprocal 1.126126... and .i26 squared as .0156...

The mapping of the .o156 grid to a torus then allows reaching into higher dimensions, and the torus is given phase distinction radius these being .81, .7739, .3618, .2416 as then .81 in reciprocal is 1.234567 and ordinal tract relating to Legendre squares law.. .7739 in reciprocal 1.292 where .292 is the complement of .708 which gives a reading on the square root of two as even and dual .707, and 1.292 is .6336 plus .6584 where .6336 is half ratio o f square root of

golden section and .6584 is 1.518 as .518 in reciprocal is 1.927 doubled 2.854 or .35 complement of .65 as unity plus three times the golden section and 1.927 = .6336 plus 64 plus .65 the first half ratio of square root of golden section, the second as 1.56 in reciprocal and .56 times four pi while .65 is in reciprocal unity plus golden section and the triad relates to 1.854 or three times golden section module also .518 plus .618 plus .718...as these previously described...

The various approaches to normalization then are taken up in the drawing in these varieties: Ellision of a gnomon to a Demorgan fractal mode; centering's of the image kernels; jet like forms from

edges as independent proportional counter projections, rotation through quadrants and log, mapping to edges, mapping to diagonals , and coding transverse distinctions as gluing.

Note on neighborhoods,and etale structure, I bring these into argument on the strength over objection to “coincidence” of such features that this is their categorical position, the degree needed to ascribe globality to any of these series of numbers while coincidence if they are, are also as local features bridges in category theory and affine or sub algebras thus structural to the space given to inhabit…my position intuitively being they are global…but I

think in “resonance”…the larger view on the theories supports that and the details I augment in my experience have been out of this art experience of the mathematics.

Mixing Torus: the center torus shifts from the .0156 grid to the .0019 through .0091 I have described and the two then meet to create ratios at the smallest scale in a “Sampland Mode”so to speak…

Where the world line and and world sheet meet become the drawing and it’s gravity…just as the holographic principle shows higher dimension can be an easier way to count as the mapping to surface which is very much the domain for example of art in mapping volume to surface, the particular nature of primes

project literally that particle analysis similar say to the way a computer programmer might place verbal text into code in order to follow its path through a system or a sound analyst track slight changes in tone of a signal as it passes through the internet or a sociologist the changes of inflection in speech decade to decade or an artist the changes in taste…going back to beginnings with the Expansion pulling out slight irregularities in quantum structure into increasing entropic rings of chaos become determination relative pure randomness via that entropy and the mixing of the torus previously mentioned opposing at the inner ring the suffix values of the

golden section (which embeds combinatorially to algebras because the relation to unity permits an extensive Maxwellian storage…)…and building on the primes which following Legrangian principle directly show the inter-charge those proportions mix at the small or fuzzy number range have a projection which all in all is that of the relation between world sheet and world line and a gravure to the effect that the gradual abstraction in the mathematics also becomes more and more physical as emerging to the tangle and ribbon diagrams, of which then the total transverse record of entropy between world sheet and world line carrying the

history of cosmogenesis in the physics and in the mathematical cosmogenesis on the number line as cobordism, simulacra co-defining the history of the entropy as in fact the physicalizing principle in relation to the holographic come full term...

The drawing had a shadow toy world of a takomat ie an idea of relating a fast pulsed special rifled pinched toroid relating broadly to the idea of k-tuple monadic n-category conceived of as three tori of which between two is a casimir plate and the third acts as a Josephson junction, all supported on a cone the form of which then supports a tuning principle and the shape a cross -

section equivalent to a Dirac Comb or a Langlands Hecke Sheaf…and numerically, the plasma, charge in itself and relating to charging… is incident to the value .0101 as the s-matrix combinatorial consequence of .101 being pi squared and emerging from also the Feigenbaum cubed…clearly showing in .707 then the square root of two which is determinative of mass calculation and turning to Eulers in reciprocal .3679 this to negative second is .606 that number also 1.5393 in reciprocal where .5393 in reciprocal Is 1.854 and this Is structurally three times the golden section module there fore the drawing uses .0101 to model plasma… and it broadly relates to

the structural golden section terms .0156 which we have found is the equivalent of the Planck and mappable directly to a golden section Hermitian grid and also .1056 which is the gap between the square root of five in reciprocal twice applied in a square... we see .01 and .10 granted .0056 form there terms and .56 as 1.7854 finds .7854 times 4 is Pi as well ass having the complement .2146 as the value of the Feigenbaum in reciprocal and .2146 times 3 as appro .64 relates to 64 as the 8x8 matrix of .0156 its numerical complement per 64 and .64 as 1.56 carries the relation to .56... one finds also that the reciprocal of pi divided by the reciprocal of C speed of light will give

1.056 (.2997 divided .3168) and .3168 itself three time .1056 the gap between the square root of five twice applied in a square....

In general then the drawing uses a kind of peace sign or cleft way diagram in which one could map in the spaces different polytopes as different degrees of freedom relative a Calabi Yau like reference to three fold dimensions which map the Mathieu group 24 very directly and famously...or the spaces may be thought of as relating to the commutators I use, the golden section, Euler's, and Pi... relative alternately to i and commutivity or to the broadened context of Quantum non-commutative geometry...drawing

world line to world sheet through higher dimensional gravitation and physicalizing transport...

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